

CORNELL UNIVERSITY
ANNOUNCEMENTS

Medicine

1955 – 1956

*Announcement of the
Medical College*

CORNELL UNIVERSITY ANNOUNCEMENTS

These publications are designed to give to prospective students and other persons information about Cornell University. The prospective student should have a copy of *General Information* and a copy of one or more of the following Announcements:

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CORNELL UNIVERSITY ANNOUNCEMENTS

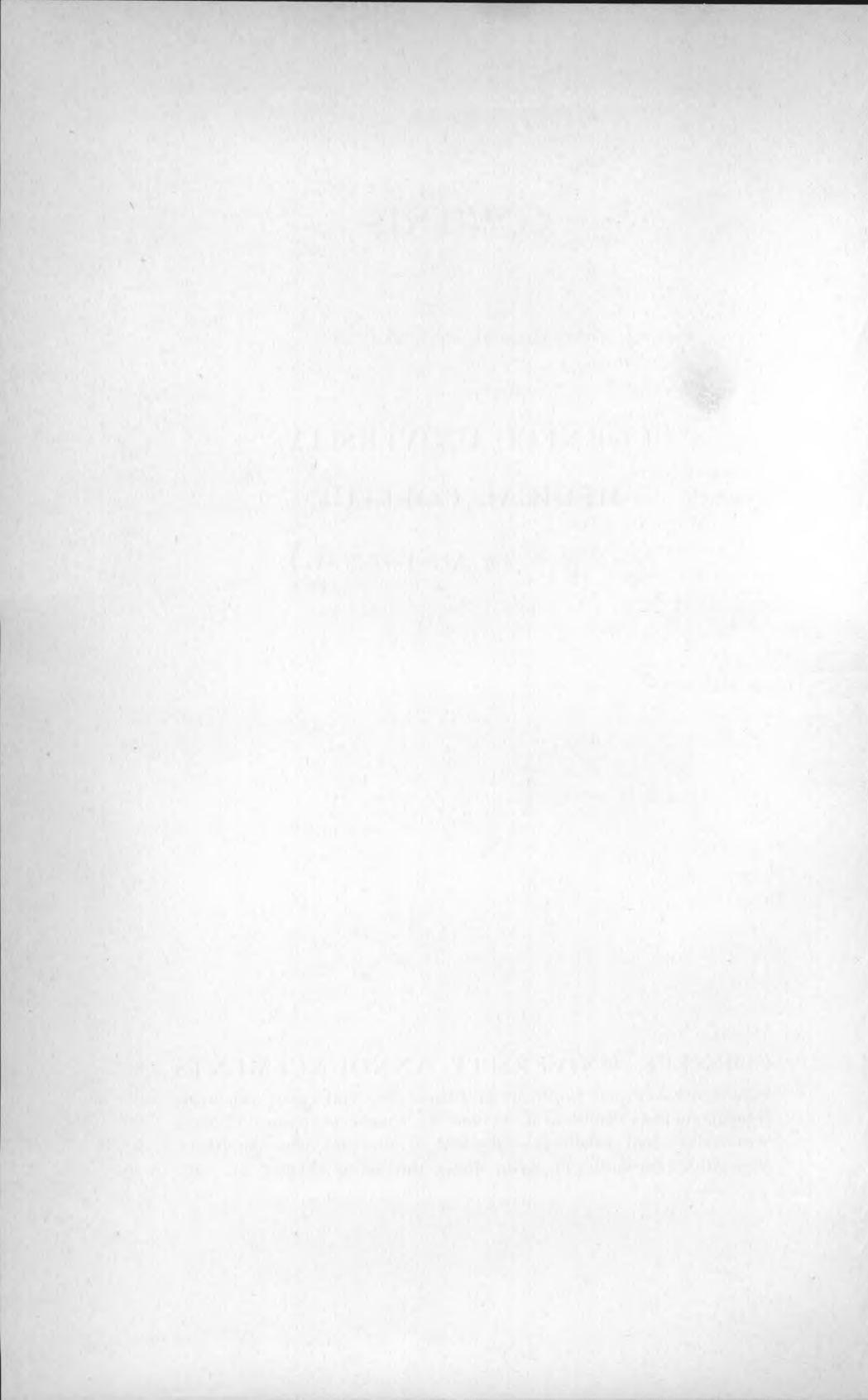
EDMUND EZRA DAY HALL, ITHACA, NEW YORK

CORNELL UNIVERSITY
MEDICAL COLLEGE

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CORNELL UNIVERSITY ANNOUNCEMENTS

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CONTENTS

Calendar	3
The New York Hospital-Cornell Medical Center.....	4
The College Council	5
The College Advisory Committee	5
Standing Committees	7
Faculty	8
General Statement	26
Requirements for Admission and Graduation	32
General Information	38
Fees, Residence, Prizes, Scholarships, Loans.....	38
Cornell University Medical College Alumni Association.....	47
Educational Policies and Plan of Instruction.....	48
Description of Courses	
Anatomy	50
Biochemistry	51
Medicine	53
Medical Comprehensive Care	58
Microbiology and Immunology	59
Obstetrics and Gynecology	60
Pathology	63
Pediatrics	65
Pharmacology	67
Physiology and Biophysics	68
Psychiatry	69
Public Health and Preventive Medicine	71
Radiology	74
Surgery	75
Special Students	79
Table of Required Hours	80
Sloan-Kettering Division and Faculty	85
Internship Appointments, Class of 1955	90
Register of Students, 1955-56	92
Register of Medical College and Sloan-Kettering Staffs.....	99
Index	118

CALENDAR

1955

- June 20 Registration and beginning of instruction for fourth year students, first division.
- July 4 Independence Day—holiday.
- August 12 Second division begins for fourth year students.
- Sept. 5 Labor Day—holiday.
- Sept. 12-13 Examinations for conditioned students.
- Sept. 12-14 Registration for first, second, and third year classes.
- Sept. 14 Opening exercises, 3:30 p.m.
- Sept. 15 Instruction begins for first, second, and third year students, 9 a.m.
- Oct. 5 Third division begins for fourth year students.
- Oct. 12 Columbus Day—holiday.
- Nov. 24 Thanksgiving Day—holiday.
- Nov. 29 Fourth division begins for fourth year students.
- Nov. 30-
Dec. 2 Examinations for second year students.
- Dec. 2 Fall term ends, 5 p.m.
- Dec. 3 Winter term begins, 9 a.m.
- Dec. 17 Christmas recess begins, 1 p.m.
- Dec. 26 Christmas holiday.

1956

- Jan. 2 New Year holiday.
- Jan. 3 Christmas recess ends, 9 a.m.
- Feb. 4 Fifth division begins for fourth year students.
- Feb. 22 Washington's Birthday—holiday.
- March 1-3 Examinations for first year students.
- March 3 Winter term ends, 1 p.m.
- March 4-11 Spring recess.
- March 12 Spring term begins, 9 a.m.
- April 4 Sixth division begins for fourth year students.
- May 25 Instruction ends for all classes, 5 p.m.
- May 30 Memorial Day—holiday.
- May 28-
June 1 Final examinations.
- June 6 Commencement, 2:30 p.m.

THE NEW YORK HOSPITAL—CORNELL MEDICAL CENTER

THE CENTER was formed by an agreement between the Society of the New York Hospital and Cornell University in order to associate organically the hospital and the medical college and to effect a complete coordination of the medical, educational, and scientific activities of the two institutions.

The Center is operated under the supervision of a Joint Administrative Board, composed of three governors of the Society of the New York Hospital, three representatives of the Board of Trustees of Cornell University, and one other member elected by the appointed members. The Director of the New York Hospital—Cornell Medical Center is the chief executive officer of the Joint Administrative Board, composed of the following:

JOSEPH C. HINSEY, *Director*,
The New York Hospital—Cornell Medical Center

DEANE W. MALOTT, *Chairman*
ARTHUR H. DEAN
STANTON GRIFFIS

HAMILTON HADLEY
HENRY S. STURGIS
JOHN HAY WHITNEY

FREDERIC W. ECKER

FORM FOR BEQUESTS

The Society of the New York Hospital is associated with the Cornell University Medical College, which is one of the colleges of Cornell University, under the title of "The New York Hospital—Cornell Medical Center."

Gifts or bequests should be made either to the Hospital or to the University, but not to the above-named Association.

If for the Hospital, the language may be: "I give and bequeath to the Society of the New York Hospital, the sum of \$....."

If for the College, the language may be: "I give and bequeath to Cornell University the sum of \$..... for use in connection with its Medical College in New York City." If it is desired that a gift shall be used in whole or in part for any specific purpose in connection with the College, such use may be specified.

THE COLLEGE COUNCIL

For the purpose of discharging its duties to the Memorial Hospital under the Douglas Deeds of Trust, the Board of Trustees is constituted as the Council of the Cornell University Medical College in New York City.

THE COLLEGE ADVISORY COMMITTEE

There is also established a Medical College Advisory Committee, which shall consist of eleven members: the President of the University, who shall be Chairman; the Director of the New York Hospital-Cornell Medical Center; four trustees to be elected by the Board of Trustees, one of whom shall be elected each year for the term of four years; the Dean of the Medical College; two members of the Faculty of the Medical College, to be elected by such Faculty, one each year for the term of two years; two alumni of the Medical College, one to be appointed by the Medical College Alumni Association and the other by the Board of Trustees, each for a term of one year.

The Committee at present consists of the following members:

DEANE W. MALOTT, President of the University, *Chairman*, ex officio
E. HUGH LUCKEY, Dean of the Medical College, ex officio

JOSEPH C. HINSEY, Director, The New York Hospital-Cornell Medical Center, ex officio

DOROTHY MCS. ARNOLD	}	of the Board
STANTON GRIFFIS		
WILLIAM B. CORNELL		of Trustees
VICTOR EMANUEL		

JAMES M. NEILL	}	of the Faculty
OSKAR DIETHELM		

WILLIAM A. BARNES	}	of the Alumni
JOHN A. EVANS		

EDWARD K. TAYLOR, *Secretary*

OFFICERS OF ADMINISTRATION

DEANE W. MALOTT, *President of the University*

E. HUGH LUCKEY, *Dean of the Medical College*

LAWRENCE W. HANLON, *Associate Dean*

DAYTON J. EDWARDS, *Secretary of the Faculty*

EDWARD K. TAYLOR, *Assistant Treasurer and Business Manager*

BEATRICE BERLE, *Counselor to Foreign Students*

ANNA F. BURKE, *Librarian*

EXECUTIVE FACULTY

DEANE W. MALOTT

DAVID P. BARR

McKEEN CATTELL

OSKAR DIETHELM

R. GORDON DOUGLAS

VINCENT DU VIGNEAUD

DON W. FAWCETT

FRANK GLENN

LAWRENCE W. HANLON

JOSEPH C. HINSEY

JOHN G. KIDD

SAMUEL Z. LEVINE

E. HUGH LUCKEY

WALSH McDERMOTT

JAMES M. NEILL

ROBERT F. PITTS

STANDING COMMITTEES*

COMMITTEE ON CURRICULUM

Vincent du Vigneaud, *Chairman*

David P. Barr
Oskar Diethelm
R. Gordon Douglas

John G. Kidd
Samuel Z. Levine
S. W. Moore

John Y. Sugg

COMMITTEE ON ADMISSIONS

Lawrence W. Hanlon, *Chairman*

Dayton J. Edwards
Donald B. Melville

Alphonse E. Timpanelli
Preston A. Wade

LIBRARY COMMITTEE

Thomas P. Almy, *Chairman*

Harry W. Burnett
McKeen Cattell
Frank Glenn

Roger L. Greif
John MacLeod
Julian R. Rachele

Anna F. Burke

COMMITTEE ON PROMOTION AND GRADUATION

E. Hugh Luckey, *Chairman*

Heads of departments, or their representatives, responsible for the more important courses of each year.

COMMITTEE ON SCHOLARSHIPS

Paul Reznikoff, *Chairman*

Dayton J. Edwards

S. W. Moore

John M. McLean

COMMITTEE ON PRIZES IN RESEARCH

John MacLeod, *Chairman*

Thomas P. Almy

Walter F. Riker, Jr.

Robert F. Watson

*The Dean is ex officio a member of all committees.

FACULTY*

DEANE W. MALOTT, *President of the University.* (A.B., M.B.A., LL.D.)

EMERITUS PROFESSORS

RUSSELL L. CECIL, M.D. [1910; 1950]	<i>Professor of Clinical Medicine</i>
EUGENE F. DuBOIS, M.D. [1910; 1950]	<i>Professor of Physiology</i>
DAYTON J. EDWARDS, Ph.D. [1918; 1950]	<i>Professor of Physiology</i>
CARY EGGLESTON, M.D. [1911; 1953]	<i>Professor of Clinical Medicine</i>
N. CHANDLER FOOT, M.D. [1932; 1948]	<i>Professor of Surgical Pathology</i>
MALCOLM GOODRIDGE, M.D. [1910; 1946]	<i>Professor of Clinical Medicine</i>
CONNIE M. GUION, M.D. [1924; 1951]	<i>Professor of Clinical Medicine</i>
JAMES A. HARRAR, M.D. [1932; 1948]	<i>Professor of Clinical Obstetrics and Gynecology</i>
ELISE STRANG L'ESPERANCE, M.D. [1910; 1950]	<i>Professor of Clinical Public Health and Preventive Medicine</i>
CHARLES V. MORRILL, Ph.D. [1915; 1953]	<i>Professor of Anatomy</i>
EUGENE L. OPIE, M.D. [1932; 1941]	<i>Professor of Pathology</i>
GEORGE PAPANICOLAOU, M.D. [1914; 1951]	<i>Professor of Clinical Anatomy</i>
BERNARD R. SAMUELS, M.D. [1914; 1952]	<i>Professor of Clinical Surgery (Ophthalmology)</i>
HANS J. SCHWARTZ, M.D. [1911; 1942]	<i>Professor of Clinical Medicine (Dermatology)</i>
WILSON G. SMILLIE, M.D. [1937; 1955]	<i>Professor of Public Health and Preventive Medicine</i>
ALEXANDER R. STEVENS, M.D. [1924; 1946]	<i>Professor of Clinical Surgery (Urology)</i>
JOSHUA E. SWEET, M.D. [1926; 1941]	<i>Professor of Experimental Surgery</i>
PHILIP D. WILSON, M.D. [1951; 1955]	<i>Professor of Clinical Surgery (Orthopedics)</i>

PROFESSORS

- DAVID P. BARR, *Professor of Medicine.* Physician-in-Chief, New York Hospital; Consulting Physician, Bellevue Hospital. (A.B. 1911, M.D. 1914, Cornell; LL.D. 1929, Central College; Sc.D. 1946, Washington University. [1916; 1941])
- ALEXANDER BRUNSCHWIG, *Professor of Clinical Surgery.* Attending Surgeon, Memorial Hospital. (B.A. 1923, M.S. 1924, University of Chicago; M.D. 1926, Rush [1947])
- JOSEPH H. BURCHENAL, *Professor of Medicine.* Attending Physician, Memorial Hospital. (M.D. 1937, University of Pennsylvania. [1949; 1952])
- McKEEN CATTELL, *Professor of Pharmacology.* (B.S. 1914, Columbia; A.M. 1917, Ph.D., 1920, M.D. 1924, Harvard. [1924; 1943])
- HERBERT CONWAY, *Professor of Clinical Surgery (Plastic Surgery).* Attending Surgeon in Charge of Plastic Surgery, New York Hospital; Visiting Surgeon, Bellevue Hospital. (M.B. 1928, B.S. 1929, M.D. 1929, M.S. 1932, University of Cincinnati. [1932; 1955])

*The figures in brackets following the name of each faculty member indicate the date of original appointment and the year of induction into present rank.

- LLOYD F. CRAVER, *Professor of Clinical Medicine*. Attending Physician, Memorial Hospital. (A.B. 1915, M.D. 1918, Cornell. [1934; 1952])
- OSKAR DIETHELM, *Professor of Psychiatry*. Psychiatrist-in-Chief, New York Hospital. (Statexamen 1922, U. of Zurich; M.D. 1923, U. of Berne. [1936])
- R. GORDON DOUGLAS, *Professor of Obstetrics and Gynecology*. Obstetrician-and-Gynecologist-in-Chief, New York Hospital. (M.D.C.M. 1924, McGill. [1932; 1949])
- GUILFORD S. DUDLEY, *Professor of Clinical Surgery*. Attending Surgeon, New York Hospital; Consultant in Surgery, Second Surgical Division, Bellevue Hospital (A.B. 1910, M.D. 1913, Cornell. [1917; 1949])
- VINCENT DU VIGNEAUD, *Professor of Biochemistry*. (B.S. 1923, M.S. 1924, Illinois; Ph.D. 1927, Rochester. [1938])
- JOHN A. EVANS, *Professor of Radiology*. Radiologist-in-Chief, New York Hospital. (B.S. 1931, New York University; M.D. 1935, Cornell. [1937; 1953])
- DON W. FAWCETT, *Professor of Anatomy*. (A.B. 1938, M.D. 1942, Harvard. [1955])
- CLAUDE E. FORKNER, *Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1922, M.A. 1923, University of California; M.D. 1926, Harvard. [1938; 1953])
- FRANK GLENN, *Lewis Atterbury Stimson Professor of Surgery*. Surgeon-in-Chief, New York Hospital. (M.D. 1927, Washington University. [1932; 1947])
- HARRY GOLD, *Professor of Clinical Pharmacology*. (A.B. 1919, M.D. 1922, Cornell. [1922; 1947])
- PHYLLIS GREENACRE, *Professor of Clinical Psychiatry*. Attending Psychiatrist, New York Hospital. (B.S. 1913, U. of Chicago; M.D. 1916, Rush. [1932; 1933])
- LOUIS HAUSMAN, *Professor of Clinical Medicine (Neurology)*. Associate Attending Physician (Neurology), New York Hospital; Visiting Neurologist in Charge, Bellevue Hospital. (A.B. 1912, College of the City of New York; M.D. 1916, Cornell. [1923; 1945])
- JOHN G. KIDD, *Professor of Pathology*. Pathologist-in-Chief, New York Hospital. (A.B., 1928, Duke; M.D. 1932, Johns Hopkins. [1944])
- SAMUEL Z. LEVINE, *Professor of Pediatrics*. Pediatrician-in-Chief, New York Hospital. (A.B. 1916, College of the City of New York; M.D. 1920, Cornell. [1924; 1936])
- GEORGE M. LEWIS, *Professor of Clinical Medicine (Dermatology)*. Attending Physician (Dermatology), New York Hospital. (M.D. 1925, University of Alberta; L.M.C.C. 1925, Medical College of Canada. [1932; 1949])
- ASA L. LINCOLN, *Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. (A.B. 1910, M.A. 1911, Elon College; M.D. 1916, Johns Hopkins. [1921; 1941])
- WILLIAM F. MACFEE, *Professor of Clinical Surgery*. Attending Surgeon, New York Hospital. (A.B. 1914, University of Tennessee; M.D. 1918, Johns Hopkins. [1936; 1952])
- WALSH McDERMOTT, *Livingston Farrand Professor of Public Health and Preventive Medicine*. Attending Physician, New York Hospital. (A.B. 1930, Princeton; M.D. 1934, Columbia. [1935; 1955])
- JOHN M. McLEAN, *Professor of Clinical Surgery (Ophthalmology)*. Attending Surgeon in Charge of Ophthalmology, New York Hospital. (M.E. 1930, Stevens Institute; M.D. 1934, Cornell. [1941; 1943])
- JAMES M. NEILL, *Professor of Microbiology and Immunology*. (B.S. 1917, Allegheny; Ph.D. 1921, Massachusetts Agricultural College; D.Sc. 1940, Allegheny. [1931])
- JAMES J. NICKSON, *Professor of Radiology*. Attending Radiation Therapist, Memorial Hospital. (B.S. 1936, University of Washington; M.D. 1940, Johns Hopkins. [1949; 1951])

- MARVIN K. OPLER, *Visiting Professor of Anthropology (Social Psychiatry)*. (A.B. 1935, University of Michigan; Ph.D. 1938, Columbia University. [1953])
- JOHN M. PEARCE, *Professor of Pathology; Professor of Pathology in Surgery*. Attending Pathologist, New York Hospital. (Ph.B. 1930, Yale; M.D. 1934, Harvard. [1948])
- ROBERT F. PITTS, *Professor of Physiology*. (B.S. 1929, Butler University; Ph.D. 1932, Johns Hopkins; M.D. 1938, New York University. [1942; 1950])
- HENRY T. RANDALL, *Professor of Surgery*. Clinical Director and Chief of Surgical Services, Memorial Hospital. (A.B. 1937, Princeton; M.D. 1941, Med.Sc.D. 1950, Columbia. [1950; 1951])
- RULON W. RAWSON, *Professor of Medicine*. Attending Physician, Memorial Hospital. (M.B. 1937, M.D. 1938, Northwestern. [1948; 1951])
- BRONSON S. RAY, *Professor of Clinical Surgery (Neurosurgery)*. Attending Surgeon in Charge of Neurosurgery, New York Hospital; Consulting Neurosurgeon, New York Hospital, Westchester Division; Clinical Assistant Visiting Neuro-Psychiatrist, Bellevue Hospital. (B.S. 1924, Franklin; M.D. 1928, Northwestern. [1932; 1948])
- THOMAS A. C. RENNIE, *Professor of Psychiatry (Social Psychiatry)*. Attending Psychiatrist, New York Hospital. (B.S. 1924, University of Pittsburgh; M.D. 1928, Harvard. [1942; 1950])
- PAUL REZNIKOFF, *Professor of Clinical Medicine*. Attending Physician, New York Hospital; Consulting Physician, Bellevue Hospital. (B.S. 1916, New York University; M.D. 1920, Cornell. [1924; 1946])
- CARL H. SMITH, *Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (B.A. 1915, College of the City of New York; M.A. 1917, Columbia; M.D. 1922, Cornell. [1928; 1954])
- LEO SROLE, *Visiting Professor of Sociology (Social Psychiatry)*. (B.S. 1933, Harvard; Ph.D. 1940, University of Chicago. [1952])
- LEWIS D. STEVENSON, *Professor of Clinical Medicine (Neurology); Associate Professor of Pathology*. Consulting Pathologist, New York Hospital; Consulting Neurologist, New York Hospital, Westchester Division; Associate Visiting Neuro-Psychiatrist, Bellevue Hospital. (A.B. 1916, M.D. 1916, Queen's University. [1922; 1945])
- PHILIP M. STIMSON, *Professor of Clinical Pediatrics*. Consulting Pediatrician, New York Hospital. (A.B. 1910, Yale; M.D. 1914, Cornell. [1919; 1953])
- HAROLD L. TEMPLE, *Professor of Clinical Radiology*. Attending Radiologist, New York Hospital. (B.S. 1932, M.D. 1935, University of Nebraska. [1941; 1946])
- T. CAMPBELL THOMPSON, *Professor of Clinical Surgery (Orthopedics)*. Attending Surgeon (Orthopedics) and Director, Hospital for Special Surgery. (A.B. 1924, Rollins; M.D. 1928, Johns Hopkins; M.Sc.D. 1936, Columbia. [1951; 1955])
- PRESTON A. WADE, *Professor of Clinical Surgery*. Attending Surgeon, New York Hospital. (A.B. 1922, M.D. 1925, Cornell. [1927; 1953])
- SYDNEY WEINTRAUB, *Professor of Clinical Radiology*. Attending Radiologist, New York Hospital. (M.D. 1918, Columbia. [1932; 1950])
- MAY G. WILSON, *Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (M.D. 1911, Cornell. [1918; 1952])
- HAROLD G. WOLFF, *Professor of Medicine (Neurology); Associate Professor of Psychiatry*. Attending Physician, Associate Attending Psychiatrist, New York Hospital; Consulting Neurologist, New York Hospital, Westchester Division; Clinical Assistant Visiting Neuro-Psychiatrist, Bellevue Hospital. (B.S. 1918, College of the City of New York; M.D. 1923, M.A. 1928, Harvard. [1931; 1948])
- IRVING S. WRIGHT, *Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1923, M.D. 1926, Cornell. [1946; 1949])

ASSOCIATE PROFESSORS

- THOMAS P. ALMY, *Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Assistant Attending Physician, Memorial Hospital; Visiting Physician and Director, Second Medical Division, Bellevue Hospital. (A.B. 1935, M.D. 1939, Cornell. [1940; 1954])
- ARTHUR F. ANDERSON, *Associate Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (M.D. 1916, Tufts. [1930; 1948])
- JOSEPH F. ARTUSIO, JR. *Associate Professor of Surgery (Anesthesiology)*; *Associate Professor of Obstetrics and Gynecology (Anesthesiology)*. Attending Anesthesiologist-in-Charge, New York Hospital. (B.S. 1939, St. Peter's; M.D. 1943, Cornell. [1946; 1953])
- HORACE S. BALDWIN, *Associate Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital. (B.S. 1917, Wesleyan University; M.D. 1921, Cornell. [1923; 1947])
- WILLIAM A. BARNES, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital. (A.B. 1933, College of the City of New York; M.D. 1937, Cornell. [1938; 1946])
- LEONA BAUMGARTNER, *Associate Professor of Public Health and Preventive Medicine*; *Assistant Professor of Clinical Pediatrics*. (A.B. 1923, M.A. 1925, Kansas; Ph.D. 1932, M.D. 1934, Yale. [1935; 1954])
- JOHN M. BEAL, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital. (B.S. 1937, M.D. 1941, Chicago University. [1942; 1953])
- CHARLES M. BERRY, *Associate Professor of Anatomy*. (A.B. 1938, De Pauw; M.S. 1939, Ph.D. 1941, Northwestern. [1947; 1951])
- ROY W. BONSNES, *Associate Professor of Biochemistry*; *Associate Professor of Biochemistry in Obstetrics and Gynecology*. (B.S. 1930, University of Connecticut; Ph.D. 1939, Yale. [1941; 1950])
- HARRY W. BURNETT, *Associate Professor of Radiology*. Associate Attending Radiologist, New York Hospital. (A.B. 1940, Miami University; M.D. 1943, Northwestern University. [1948; 1953])
- ANTHONY C. CIPOLLARO, *Associate Professor of Clinical Medicine (Dermatology)*. Assistant Attending Physician, New York Hospital. (B.S. 1924, Dartmouth; M.D. 1927, Columbia. [1948; 1951])
- EUGENE E. CLIFFTON, *Associate Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital; Clinical Assistant in Surgery, Memorial Hospital. B.S. 1933, Lafayette College; M.D. 1937, Yale Medical School. [1938; 1955])
- BRADLEY L. COLEY, *Associate Professor of Clinical Surgery*. Attending Surgeon, Memorial Hospital. (A.B. 1915, Yale; M.D. 1919, Columbia. [1941; 1950])
- WILLIAM A. COOPER, *Associate Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (A.B. 1928, Stanford University; M.D. 1932, Cornell. [1934; 1946])
- NELSON W. CORNELL, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital. (A.B. 1918, M.D. 1921, Cornell. [1925; 1942])
- HAROLD W. K. DARGEON, *Associate Professor of Clinical Pediatrics*. Attending Pediatrician, Memorial Hospital. (M.D. 1922, Albany. [1947; 1951])
- MICHAEL R. DEDDISH, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, Memorial Hospital. (A.B. 1933, M.D. 1937, Ohio State University. [1942; 1955])
- EDWARD H. DENNEN, *Associate Professor of Clinical Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (M.D. 1919, Tufts. [1933; 1949])
- J. LOUISE DESPERT, *Associate Professor of Clinical Psychiatry*. Associate Attending Psychiatrist, New York Hospital. (A.B. 1928, Barnard; M.D. 1932, New York University. [1939; 1951])

- JOHN W. DRAPER, *Associate Professor of Clinical Surgery (Urology)*. Associate Attending Surgeon (Urology), New York Hospital; Visiting Surgeon in Charge of Urological Service, Bellevue Hospital. (A.B. 1927, Dartmouth; M.D. 1931, Cornell. [1932; 1949])
- HENRY S. DUNNING, *Associate Professor of Clinical Medicine (Neurology)*. Associate Attending Physician, New York Hospital. (A.B. 1927, M.D. 1930, Cornell. [1932; 1948])
- JOHN H. ECKEL, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital; Associate Visiting Surgeon, Bellevue Hospital. (B.S. 1929, New York University; M.D. 1933, Cornell. [1934; 1946])
- GEORGE F. EGAN, *Associate Professor of Clinical Surgery (Dental Surgery)*. Attending Dental Surgeon in Charge, New York Hospital. (D.M.D. 1931, Harvard. [1933; 1953])
- RICHARD H. FREYBERG, *Associate Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1926, M.D. 1930, M.S. 1934, University of Michigan. [1945])
- RALPH W. GAUSE, *Associate Professor of Clinical Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1926, University of Texas; M.D. 1930, Harvard. [1935; 1954])
- WILLIAM J. GRACE, *Associate Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (B.S. 1938, St. Peter's College; M.D. 1942, Cornell. [1944; 1953])
- ROGER L. GREIF, *Associate Professor of Physiology*. (B.S. 1937, Haverford; M.D. 1941, Johns Hopkins. [1953; 1955])
- LAWRENCE W. HANLON, *Associate Dean; Assistant Professor of Anatomy*. (A.B. 1935, M.D. 1938, Cornell. [1946; 1955])
- KRISTIAN G. HANSSON, *Associate Professor of Clinical Surgery (Physical Medicine)*. Consultant in Surgery, New York Hospital. (A.B. 1920, M.D. 1923, Cornell. [1925; 1955])
- HELEN HARRINGTON, *Associate Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (A.B., M.A. 1916, University of Denver; M.D. 1920, Johns Hopkins. [1933; 1955])
- EDWIN T. HAUSER, *Associate Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1916, College of the City of New York; M.D. 1922, Cornell. [1925; 1949])
- EDWARD J. HEHRE, *Associate Professor of Microbiology and Immunology*. (A.B. 1934, M.D. 1937, Cornell. [1938; 1949])
- GEORGE W. HENRY, *Associate Professor of Clinical Psychiatry*. Attending Psychiatrist, New York Hospital. (A.B. 1912, Wesleyan; M.D. 1916, Johns Hopkins. [1928; 1932])
- CRANSTON W. HOLMAN, *Associate Professor of Clinical Surgery*. Attending Surgeon, New York Hospital; Director, Second Surgical Division, Bellevue Hospital. [1932; 1953]
- WILLIAM HOWLAND, *Associate Professor of Surgery (Anesthesiology)*. Chief, Department of Anesthesiology, Memorial Hospital. (B.S. 1941, Notre Dame; M.D. 1944, Columbia. [1954])
- CARL T. JAVERT, *Associate Professor of Clinical Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (M.D. 1932, Buffalo. [1937; 1949])
- DAVID A. KARNOFSKY, *Associate Professor of Medicine*. Associate Attending Physician, Memorial Hospital. (A.B. 1934, University of California; A.M. 1936, M.D. 1940, Stanford. [1949; 1952])
- SAMUEL F. KELLEY, *Associate Professor of Clinical Surgery (Otolaryngology)*.

- Attending Surgeon (Otolaryngology), New York Hospital. (M.D. 1921, University of Texas. [1926; 1954])
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- LAWRENCE E. HINKLE, JR., *Assistant Professor of Clinical Medicine; Assistant Professor of Medicine in Psychiatry*. (A.B. 1938, Univ. of North Carolina; M.D. 1942, Harvard. [1947; 1955])
- ELLIOT HOCHSTEIN, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1928, Columbia; M.D. 1932, New York University. [1952; 1953])
- JAMES M. HOLMAN, *Assistant Professor of Clinical Surgery*. (B.S. 1936, Univ. of South Carolina; M.D. 1940, Medical Coll. of South Carolina. [1946; 1955])
- GEORGE R. HOLSWADE, *Assistant Professor of Clinical Surgery*. (A.B. 1940, Brown University; M.D. 1943, Cornell. [1944; 1955])
- EVELYN HOLT, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1919, Wellesley; M.A. 1921, M.D. 1924, Cornell. [1926; 1952])
- RAYMOND W. HOUDE, *Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (A.B. 1940, New York University; M.D. 1943, New York University College of Medicine. [1950; 1953])
- GUSTAVUS A. HUMPHREYS, *Assistant Professor of Clinical Surgery (Urology)*. Assistant Attending Surgeon (Urology), New York Hospital; Associate Visiting Surgeon (Urology), Bellevue Hospital. (A.B. 1927, Princeton; M.D. 1932, Columbia. [1937; 1946])
- FREDERICK C. HUNT, *Assistant Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (M.D. 1924, Western Ontario. [1932; 1940])
- ABRAHAM S. JACOBSON, *Assistant Professor of Clinical Medicine*. (A.B. 1932, A.M. 1933, Columbia; M.D. 1940, New York University College of Medicine. [1955])
- GERALD R. JAMEISON, *Assistant Professor of Clinical Psychiatry*. Attending Psychiatrist, New York Hospital. (M.D. 1918, Albany Medical College. [1933; 1936])
- GEORGE JASPIN, *Assistant Professor of Clinical Radiology*. Associate Attending Radiologist in Charge of School of Radiology, New York Hospital. (B.S. 1932, Columbia; M.D. 1936, Michigan. [1945; 1948])
- D. REES JENSEN, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (M.D. 1925, Columbia. [1928; 1949])

- DONALD G. JOHNSON, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (B.A. 1936, Maine; M.D. 1940, Yale. [1942; 1948])
- EDMUND N. JOYNER, III, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (B.S. 1927, Virginia Military Institute; M.D. 1932, Cornell. [1934; 1948])
- WILLIAM H. KAMMERER, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. (B.S. 1931, M.D. 1935, University of Indiana. [1941; 1953])
- RICHARD C. KARL, *Assistant Professor of Clinical Surgery*. (A.B. 1942, Columbia; M.D. 1944, Cornell. [1946; 1955])
- GEORGE L. KAUER, JR., *Assistant Professor of Clinical Medicine*. Associate Visiting Physician, Bellevue Hospital. (B.S. 1933, New York University; M.D. 1937, Cornell. [1938; 1949])
- JOSEPH T. KAUER, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital; Associate Visiting Surgeon, Bellevue Hospital.
- B. H. KEAN, *Assistant Professor of Clinical Medicine (Tropical Medicine); Assistant Professor of Clinical Public Health and Preventive Medicine (Parasitology)*. Assistant Attending Physician, New York Hospital. (A.B. 1933, University of California (Berkeley); M.D. 1937, Columbia. [1952; 1954])
- EDWARD B. C. KEEFER, *Assistant Professor of Clinical Surgery*. (B.S. 1939, M.D.C.M., 1943, McGill. [1946; 1955])
- LEMOYNE C. KELLY, *Assistant Professor of Clinical Medicine*. (A.B. 1924, University of Rochester; M.D. 1929, Cornell. [1935; 1953])
- ANN P. KENT, *Assistant Professor of Clinical Obstetrics and Gynecology; Assistant Professor of Clinical Public Health and Preventive Medicine*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1930, George Washington University; M.D. 1933, University of Maryland; M.P.H. 1939, Johns Hopkins. [1950; 1954])
- SEYMOUR G. KLEBANOFF, *Assistant Professor of Psychology*. (A.B. 1937, M.S. 1939, Yale; Ph.D. 1947, Northwestern. [1950])
- MARGARET KLUMPP, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (B.S. 1928, Tufts; M.D. 1932, Cornell. [1950; 1951])
- HENRY J. KOCH, JR., *Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (A.B. 1939, Holy Cross; M.D. 1943, Harvard University. [1950; 1953])
- HEDWIG KOENIG, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1918, Barnard; M.A. 1920, Columbia; M.D. 1929, Johns Hopkins. [1935; 1944])
- RICHARD N. KOHL, *Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. (A.B. 1938, M.D. 1942, University of Cincinnati. [1945; 1950])
- BARBARA M. KORSCH, *Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1941, Smith; M.D. 1944, Johns Hopkins. [1947; 1952])
- HERBERT KOTEEN, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1935, University of Wisconsin; M.D. 1939, Johns Hopkins. [1943; 1953])
- ELMER E. KRAMER, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (B.S. 1935, M.D. 1938, Tulane. [1946; 1952])
- NORMAN KRETCHMER, *Assistant Professor of Biochemistry in Pediatrics*. (B.S. 1944, Cornell; M.S. 1945, Ph.D. 1947, Minnesota; M.D. 1952, New York State University. [1953])

- NATHANIEL T. KWIT, *Assistant Professor of Clinical Pharmacology*. (A.B. 1927, M.D. 1930, Cornell. [1949; 1955])
- JOHN S. LADUE, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. Associate Attending Physician, Memorial Hospital. (B.S. 1932, M.S. 1940, Ph.D. 1941, University of Minnesota; M.D. 1936, Harvard. [1947; 1948])
- MICHAEL LAKE, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1919, M.D. 1922, Cornell. [1926; 1953])
- NORVELLE C. LAMAR, *Assistant Professor of Clinical Psychiatry*. Associate Attending Psychiatrist, New York Hospital. (A.B. 1921, M.D. 1925, Indiana. [1932; 1942])
- ROBERT LANDESMAN, *Assistant Professor of Clinical Obstetrics and Gynecology*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1936, Columbia; M.D. 1939, Cornell. [1949; 1954])
- RICHARD E. LEE, *Assistant Professor of Clinical Medicine*. (B.S. 1939, University of Massachusetts; M.A. 1940, Ph.D. 1942, Harvard; M.D. 1947, Columbia. [1950; 1954])
- CHARLES A. LEMAISTER, *Assistant Professor of Medicine*. (A.B. 1944, University of Alabama; M. D. 1947, Cornell. [1948; 1953])
- LEON I. LEVINE, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. (B.S. 1918, College of the City of New York; M.D. 1922, Cornell. [1924; 1939])
- SOL S. LICHTMAN, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1918, College of the City of New York; M.D. 1921, Cornell. [1943; 1947])
- MACK LIPKIN, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (B.S. 1926, College of the City of New York; M.D. 1930, Cornell. [1953])
- EDWARD J. LORENZE, III, *Assistant Professor of Clinical Medicine (Physical Medicine)*. (M.D. 1946, New York University. [1953])
- LUCILE LOSEKE, *Assistant Professor of Clinical Surgery*. (B.S. 1938, M.S. 1940, M.D. 1940, Univ. of Nebraska. [1952; 1955])
- DANIEL S. LUKAS, *Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1944, M.D. 1947, Columbia. [1948; 1953])
- BERNARD MAISEL, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (A.B. 1936, M.D. 1940, Johns Hopkins. [1945; 1953])
- BENJAMIN E. MARBURY, *Assistant Professor of Clinical Surgery (Anesthesiology); Assistant Professor of Clinical Obstetrics and Gynecology (Anesthesiology)*. Assistant Attending Anesthesiologist, New York Hospital. (A.B. 1939, B.S. 1942, Missouri University; M.S. 1941, Louisiana State University; M.D. 1944, Washington University, St. Louis. [1948; 1953])
- KIRBY A. MARTIN, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (M.D. 1922, Washington University, St. Louis. [1927; 1953])
- ABRAHAM MAZUR, *Assistant Professor of Biochemistry in Medicine*. (B.S. 1932, College of the City of New York; M.A. 1934, Ph.D. 1938, Columbia. [1941; 1949])
- JAMES R. MCCARROLL, *Assistant Professor of Public Health and Preventive Medicine*. (A.B. 1942, Colby College; M.D. 1946, Cornell. [1954; 1955])
- JOHN L. MCCLENAHAN, *Assistant Professor of Clinical Radiology*. Assistant Attending Radiologist, New York Hospital. (A.B. 1937, Yale; M.D. 1941, University of Pennsylvania. [1949; 1953])
- RICHARD R. MCCORMACK, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1937, Columbia; M.D. 1941, Cornell. [1946; 1953])

- ROBERT M. McCUNE, Jr., *Assistant Professor of Public Health and Preventive Medicine*. (A.B. 1946, West Virginia University; M.D. 1948, Johns Hopkins. [1951; 1955])
- FRANK J. McGOWAN, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (A.B. 1919, M.D. 1921, Columbia. [1932; 1950])
- FREDERICK C. McLELLAN, *Assistant Professor of Clinical Surgery (Urology)*. Assistant Attending Surgeon (Urology), New York Hospital; Attending Urologist, New York Hospital, Westchester Division. (B.S. 1929, M.D. 1933, Dalhousie; M.S. 1936, Michigan. [1941; 1948])
- GORDON P. McNEER, *Assistant Professor of Clinical Surgery*. Associate Attending Surgeon, Memorial Hospital. (M.D. 1931, University of Pennsylvania. [1950; 1951])
- ROBERT H. MELCHIONNA, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (B.S. 1929, St. John's University; M.D. 1935, St. Louis University. [1939; 1953])
- CURTIS L. MENDELSON, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1934, Michigan; M.D. 1938, Cornell. [1947])
- ANNE E. MILMAN, *Assistant Professor of Biochemistry in Psychiatry*. (A.B. 1942, Adelphi College; A.M. 1945, Vassar; Ph.D. 1949, Yale. [1950; 1954])
- LAURENCE MISCALL, *Assistant Professor of Clinical Surgery*. Visiting Surgeon, Bellevue Hospital. (A.B. 1926, M.D. 1930, Cornell. [1942; 1947])
- M. LOIS MURPHY, *Assistant Professor of Medicine*. Assistant Attending Pediatrician, Memorial Hospital. (A.B. 1939, M.D. 1944, Nebraska. [1952; 1954])
- W. P. LAIRD MYERS, *Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (B.S. 1943, Yale; M.D. 1945, Columbia; M.S. (Med.) 1952, Minnesota. [1953; 1954])
- CHARLES T. OLCOTT, *Assistant Professor of Pathology*. Associate Attending Pathologist, New York Hospital. (A.B. 1911, Princeton; M.D. 1916, Cornell. [1926; 1943])
- PHILIP OLLSTEIN, *Assistant Professor of Clinical Public Health and Preventive Medicine*. (M.D. 1927, Long Island College of Medicine. [1944; 1950])
- CHARLES H. O'REGAN, *Assistant Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (A.B. 1919, St. Francis Xavier; M.D. 1928, McGill. [1932; 1944])
- MARY ANN PAYNE, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1935, Hood; M.A. 1941, Ph.D. 1943, Wisconsin; M.D. 1945, Cornell. [1946; 1952])
- T. ARTHUR PEARSON, *Assistant Professor of Clinical Radiology*. Assistant Attending Radiologist, New York Hospital. (A.B. 1930, Gustavus Adolphus; M.A. 1934, M.D. 1935, University of Minnesota. [1948; 1949])
- NORMAN PLUMMER, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. A.B. 1922, University of California; M.D. 1926, Cornell. [1928; 1941])
- J. LAWRENCE POOL, *Assistant Professor of Clinical Surgery*. Associate Attending Surgeon, Memorial Hospital. (B.S. 1930, Princeton; M.D. 1934, Columbia. [1948])
- CURTIS T. PROUT, *Assistant Professor of Clinical Psychiatry*. Assistant Medical Director and Clinical Director, New York Hospital, Westchester Division. (A.B. 1921, M.D. 1924, Cornell; M.S. 1930, University of Michigan. [1948; 1951])
- JOSEPH F. REILLY, *Assistant Professor of Pharmacology; Assistant Professor of Pharmacology in Psychiatry*. (A.B. 1937, University of Illinois; M.A. 1939, Harvard; Ph.D. 1947, University of Chicago. [1948; 1953])
- CHARLOTTE RESSLER, *Assistant Professor of Biochemistry*. (A.B. 1944, New York University; A.M. 1946, Ph.D. 1949, Columbia. [1949; 1955])

- GOETZ W. RICHTER, *Assistant Professor of Pathology*. Assistant Attending Pathologist, New York Hospital. (A.B. 1943, Williams College; M.D. 1948, Johns Hopkins. [1948; 1955])
- EDGAR A. RILEY, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (M.D. 1944, Columbia. [1952; 1954])
- PETER C. RIZZO, *Assistant Professor of Clinical Surgery (Orthopedics)*. Associate Attending Surgeon (Orthopedics), New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. [M.D. 1926, Bellevue])
- FRED V. ROCKWELL, *Assistant Professor of Clinical Psychiatry*. Associate Attending Psychiatrist, New York Hospital. (A.B. 1931, M.D. 1936, Rochester. [1939; 1946])
- DAVID E. ROGERS, *Assistant Professor of Medicine*. (M.D. 1948, Cornell. [1950; 1954])
- ALBERT L. RUBIN, *Assistant Professor of Clinical Medicine*. (Williams College, M.I.T.; M.D. 1950, Cornell. [1951; 1955])
- GEORGE SCHAEFER, *Assistant Professor of Clinical Obstetrics and Gynecology*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. (B.S. 1933, New York University; M.D. 1937, Cornell. [1951; 1954])
- JOHN G. SCHMIDT, *Assistant Professor of Clinical Surgery (Orthopedics)*. Associate Attending Surgeon (Orthopedics), New York Hospital. (A.B. 1925, Williams; M.D. 1930, Harvard. [1939; 1946])
- IRVING SCHULMAN, *Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1942, M.D. 1945, New York University. [1950; 1954])
- OLGA SCHWEIZER, *Assistant Professor of Surgery (Anesthesiology)*. Attending Anesthesiologist, Memorial Hospital. (A.B. 1932, Barnard; M.D. 1937, Columbia. [1954])
- JOHN F. SEYBOLT, *Assistant Professor of Pathology*. (B.S. 1938, Yale; M.D. 1943, Cornell. [1947; 1955])
- MARVIN H. SLEISINGER, *Assistant Professor of Clinical Medicine*. (M.D. 1947, Harvard. [1951; 1955])
- E. FLETCHER SMITH, *Assistant Professor of Clinical Obstetrics and Gynecology*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1924, M.D. 1928, University of Texas. [1934; 1954])
- CHARLES T. SNYDER, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (M.D. 1921, New York University. [1927; 1954])
- STUART S. SNYDER, *Assistant Professor of Clinical Surgery (Ophthalmology)*. Assistant Attending Surgeon (Ophthalmology), New York Hospital. (B.Sc. 1941, York College; M.D. 1944, University of Nebraska. [1947; 1951])
- MARTIN SONENBERG, *Assistant Professor of Medicine*. Clinical Assistant in Medicine, Memorial Hospital. (B.S. 1941, Pennsylvania; M.D. 1944, Ph.D. 1952, New York University. [1950; 1954])
- CHESTER M. SOUTHAM, *Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (B.S. 1941, M.S. 1943, University of Idaho; M.D. 1947, Columbia University. [1951; 1952])
- MAUS J. STEARNS, JR., *Assistant Professor of Clinical Surgery*. (A.B. 1935, Union College; M.D. 1939, Albany. [1950; 1955])
- ISRAEL STEINBERG, *Assistant Professor of Clinical Medicine; Assistant Professor of Clinical Radiology*. Assistant Attending Physician, New York Hospital; Assistant Attending Radiologist (Angiocardiology), New York Hospital. (B.S. 1924, M.D. 1928, Harvard. [1940; 1949])
- WILLIAM D. STUBENBORD, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. (B.S. 1927, Wesleyan University; M.D. 1931, Cornell. [1933; 1953])

- ARTHUR M. SUTHERLAND, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1932, Yale; M.D. 1936, Columbia. [1937; 1951])
- JOHN E. SUTTON, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital; Associate Visiting Surgeon, Bellevue Hospital. (A.B. 1915, A.M. 1917, M.D. 1920, Cornell. [1923; 1950])
- DAVID D. THOMPSON, *Assistant Professor of Physiology*. (A.B. 1943, M.D. 1946, Cornell. [1947; 1955])
- CORNELIUS H. TRAEGER, *Assistant Professor of Clinical Medicine*. (A.B. 1923, M.D. 1927, Columbia. [1955])
- JOHN H. TRAVIS, *Assistant Professor of Clinical Psychiatry*. (M.B. 1911, University of Toronto. [1941; 1945])
- RICHARD C. TROUTMAN, *Assistant Professor of Clinical Surgery (Ophthalmology)*. (A.B. 1943, M.D. 1945, Ohio State University. [1951; 1954])
- FRANCIS P. TWINEM, *Assistant Professor of Clinical Surgery (Urology)*. Associate Attending Surgeon (Urology), New York Hospital. (A.B. 1917, Wooster College; M.A. 1919, Princeton; M.D. 1925, Harvard. [1950])
- JOHN M. WALKER, *Assistant Professor of Surgery*. Associate Attending Surgeon, Assistant Clinical Director, Memorial Hospital. (Ph.D. 1931, Yale University; M.D. 1936, Columbia University. [1953])
- WILLIAM L. WATSON, *Assistant Professor of Clinical Surgery*. Attending Surgeon, Memorial Hospital. (A.B. 1922, M.D. 1925, Cornell. [1940; 1950])
- WILLIS M. WEEDEN, *Assistant Professor of Clinical Public Health and Preventive Medicine*. Assistant Attending Surgeon, New York Hospital. (A.B. 1916, M.D. 1919, Cornell. [1922; 1950])
- EXIE E. WELSCH, *Assistant Professor of Clinical Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. (B.S. 1930; M.D. 1932, University of Indiana. [1949])
- CHARLES D. WEST, *Assistant Professor of Medicine*. Clinical Assistant in Medicine, Memorial Hospital. (A.B. 1941, M.D. 1944, Ph.D. 1950, University of Utah. [1952; 1953])
- LOUIS E. WEYMULLER, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (B.Sc. 1923, M.D. 1925, University of Nebraska. [1936; 1949])
- MARJORIE A. WHEATLEY, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1919, Vassar; M.D. 1929, Columbia. [1931; 1945])
- STEPHEN WHITE, *Assistant Professor of Clinical Radiology*. Associate Attending Radiologist, New York Hospital. (B.S. 1920, College of the City of New York; M.D. 1924, Cornell. [1931; 1944])
- HAROLD N. WILLARD, *Assistant Professor of Public Health and Preventive Medicine*. (A.B. 1939, Yale; M.D. 1943, Johns Hopkins. [1951])
- PHILIP D. WILSON, JR., *Assistant Professor of Clinical Surgery (Orthopedics)*. Assistant Attending Surgeon (Orthopedics), New York Hospital. (M.D. 1944, Columbia University College of Physicians and Surgeons. [1951; 1955])

GENERAL STATEMENT

HISTORY

CORNELL UNIVERSITY Medical College was established by the Board of Trustees of Cornell University on April 14, 1898, when they elected Dr. William M. Polk Director of the College and Dean of the Medical Faculty and appointed six professors. The Medical College was made possible by the munificence of Colonel Oliver H. Payne, who provided the funds for the erection of the original building, located at 28th Street and First Avenue, and who pledged his support to the new institution. For several years he provided funds for the annual support of the college and later placed the institution on a secure foundation by making generous provision for its permanent endowment by a gift of over four million dollars.

In October, 1898, instruction began in temporary quarters. As the Medical College admitted a number of students to advanced standing, Cornell University granted the degree of Doctor of Medicine for the first time in 1899.

The Cornell University Medical College from its foundation has undertaken to carry out two allied activities: the development of physicians of the best type and the extension of medical knowledge by means of research. The Medical Faculty has held from the beginning of its existence the attitude that these two functions are necessary as constituting a true university school. It is committed not only to conduct teaching of high order but also to study disease and the sciences underlying medicine with the purpose of adding to medical knowledge.

THE NEW YORK HOSPITAL-CORNELL MEDICAL COLLEGE ASSOCIATION

The Cornell University Medical College and the New York Hospital have been cooperating for a long time in an arrangement for medical teaching. In September, 1932, however, the two institutions took up occupancy in the same plant.

The New York Hospital was founded by Royal Charter on June 13, 1771, in the reign of King George III, and has stood throughout the life of the nation as one of the foremost hospitals in the United States, as an institution rendering service to the sick and injured, and as a center of medical education. For a number of years the Hospital and the Medical College had been partially affiliated. In June, 1927, an agreement was entered into between Cornell University and the New York Hospital by which the New York Hospital-Cornell Medical College Association was

formed for the purpose of bringing together their facilities and cooperating in the care of patients, in medical education, and in medical research. In order to harmonize the interests of the Hospital and of the Medical College, the Joint Administrative Board was formed, consisting of three representatives of each institution and a seventh member elected by the Hospital and by the University.

Additional endowment was secured by each institution. A group of buildings was erected along the East River between 68th and 71st Streets, adjoining the Rockefeller Institute for Medical Research. The new plant affords separate buildings for each of the various laboratory departments and includes approximately 1,182 hospital beds. Provision is made for medicine, surgery, obstetrics and gynecology, pediatrics, and psychiatry in five distinct clinical units.

The Faculty of the Medical College and the professional staff of the Hospital are organized so as to form one body established on a university basis.

The new plant affords very favorable conditions for the conduct of medical education, for the pursuit of medical research, and for the care of patients in all phases of medical practice.

FACILITIES FOR INSTRUCTION

From the point of view of medical instruction, the facilities provided by the plant of the New York Hospital-Cornell Medical College Association are in many respects unexcelled. The plant consists of twelve buildings, joined either directly or by underground passages. These provide ample accommodations for the care of hospital patients, for the teaching of the clinical branches, and for the various activities connected with the work of the preclinical departments of the medical college.

CORNELL MEDICAL COLLEGE. Instruction in the medical sciences is conducted in a group of buildings extending along York Avenue from 68th to 70th Streets, centering in a court at the end of 69th Street where the entrance to the Medical College is located. This group comprises four units facing on York Avenue, each of which is five stories high. The extreme northern and southern buildings connect with the central group by means of two-story structures. In this series of buildings the one to the north (unit A) is devoted entirely to the department of anatomy; the one next to this on the south (unit B) to bacteriology and immunology; the third (unit D) to physiology; the fourth (unit E) to biochemistry and pharmacology. A seven-story building (unit C) joins the buildings B and D in the center, and in this are the offices of the Medical College, the library, and the department of pathology. This central building of the College is joined on all floors with the central hospital building. Certain of the laboratories of the department of public health and preventive medicine are located in the two-story

building which adjoins the bacteriology unit to the north, but the major part of this department is comprised in the Kips Bay-Yorkville Health Center building of the City of New York, located half a block west from the Medical College on 69th Street.

In the main buildings of the Medical College, student laboratories and lecture rooms are provided on the second and third floors, and extensive facilities for research by staff and students are available on other floors. Locker rooms are provided for the use of students. A cafeteria under the direction of the chief dietitian of the New York Hospital is maintained for students and Faculty.

NEW YORK HOSPITAL. Clinical instruction is given in the five separate clinics forming the New York Hospital. The medical and surgical clinics occupy the central hospital building, while the women's clinic, the pediatric clinic, and the psychiatric clinic extend from north to south, overlooking the East River. Each clinic contains, besides provision for bed patients, its own out-patient department, lecture rooms, and laboratories for routine study and for clinical research. Special provision has also been made for the laboratory work of students. The medical clinic occupies the second to fourth floors of the central hospital building, with six pavilions for bed patients, three floors for its outpatient department, and extensive laboratories for chemical, physiological, and biological research. The surgical clinic occupies the pavilions from the fifth to the ninth floor, with outpatient and other facilities for the various surgical specialists. The operating rooms are on the tenth and eleventh floors. Above are six floors containing one hundred rooms for private patients, while the living quarters for the resident staff are on the six floors at the top of the building. The entire hospital has a capacity of approximately 1,182 beds.

The head of each clinic, responsible for the care of patients and the conduct of professional services of the hospital, is also professor in charge of the corresponding department of the Medical College. Each clinical department is staffed in part by teachers and clinicians, including the professor in charge, who devote their entire time to the service of the College and Hospital, while other members of these departments devote part of their time to private practice.

OTHER HOSPITALS FOR CLINICAL INSTRUCTION

Although the clinical teaching is conducted largely in the New York Hospital, advantage is also taken of special facilities afforded by other hospitals. In some of these hospitals the staff appointments are controlled by the Medical College, while in others the teaching privileges have been granted to the members of the staffs who are also members of the Medical College Faculty.

BELLEVUE HOSPITAL. Bellevue is the central hospital of the New York City Department of Hospitals. It contains 3,325 beds and is de-

voted to the treatment of acute diseases. It is organized in four divisions, one of which has been placed at the disposal of the Faculty of Cornell University Medical College for medical instruction. The services conducted by the College include a medical service and a surgical service, each of 90 beds, a urological service and a neurological service of approximately 60 beds. The staff of these services are nominated by the College from among the members of its Faculty and teaching staff, and the Medical College is responsible for the professional conduct of these services.

HOSPITAL FOR SPECIAL SURGERY. The Hospital for Special Surgery occupies its new building adjacent to the New York Hospital and is an affiliated institution within the New York Hospital-Cornell Medical Center. Professionally, the Hospital for Special Surgery is, in effect, the orthopedic service of the New York Hospital.

MEMORIAL HOSPITAL. Through the generosity of the late Dr. James Douglas, who provided the hospital with an endowment for the study and treatment of cancer and allied diseases, the Memorial Hospital became affiliated in 1914 with Cornell University Medical College. The agreement between the Memorial Hospital and the College requires that the professional staff be named by the Council of the Medical College subject to the approval of the board of managers of the hospital. The facilities of the hospital, which are of exceptional value in the field of cancer, are available for study in this field by the members of the hospital staff, and unusual opportunities are afforded for instruction in the pathology, diagnosis, and treatment of neoplastic diseases.

MANHATTAN STATE HOSPITAL (WARD'S ISLAND). This hospital for the care and treatment of mental diseases accommodates over 5,000 patients. Through the courtesy of the superintendent, the department of psychiatry is enabled to utilize this clinical material for bedside study of patients and for the instruction of students.

WILLARD PARKER HOSPITAL. Instruction in infectious diseases is conducted at the Willard Parker Hospital, where staff positions are held by members of the Faculty and teaching staff who have the privilege of conducting medical instruction.

LINCOLN HOSPITAL. This unit of the New York City Department of Hospitals has a bed capacity of 469 and facilities for handling cases in all divisions of clinical work. Through cooperative arrangements made possible by members of our teaching staff holding assignments on the hospital staff, a certain part of the teaching of medicine in the second year course is carried out on the wards of Lincoln Hospital. The abundance of clinical material and the type of disease met with in this institution afford a valuable adjunct to the work in this part of the medical course.

THE RUSSELL SAGE INSTITUTE OF PATHOLOGY

The Institute has been associated with Cornell University Medical College since 1913. At first it was affiliated with the Second Medical (Cornell) Division of Bellevue Hospital, but since 1932 it has been in the New York Hospital. The Institute has supported work in metabolism which has been conducted by the members of the departments of medicine and physiology. The respiration calorimeter which was operated for a number of years by Dr. DuBois at Bellevue Hospital has been transferred by the directors of the Institute to the New York Hospital, and sufficient funds have been provided for carrying on the important metabolic studies by members of the staff. The medical director of the Institute is Dr. David P. Barr, Professor of Medicine.

THE LOOMIS LABORATORY

Founded in 1886 and located at 414 East 26th Street, this institution served the purpose of undergraduate instruction in the Medical College and provided facilities for original research in the various departments of laboratory investigation. The present Medical College building contains space dedicated to the original Loomis Laboratory and its established objectives.

THE LIBRARY

The reading room of the library is situated on the second floor of the central group of laboratory buildings, directly over the entrance of the Medical College. The current journals are kept in racks around three sides of the room. The book stacks are directly behind and open to the reading room, extending down to the subbasement with six floors of stacks and accommodations for about 100,000 volumes. There are also a library seminar room and several rooms for the library staff.

The library contains at present over 67,000 volumes, largely made up of complete sets of important journals in the fields of clinical medicine and the medical sciences, in English, German, and French. There are also well-selected collections of monographs, textbooks, and reprints.

Several of the departments of the Medical College have libraries containing journals, monographs, and textbooks pertaining especially to the subject matter of the departments. These serve to supplement in a useful way the scope of the main library.

The library is under the direction of a committee of the Faculty and in charge of a trained librarian who gives instruction to students on the proper methods of using the library and of searching medical literature.

In addition to the college library, students may obtain certain privileges at the library of the New York Academy of Medicine, Fifth Avenue and 103rd Street, the second largest medical library in the United States.

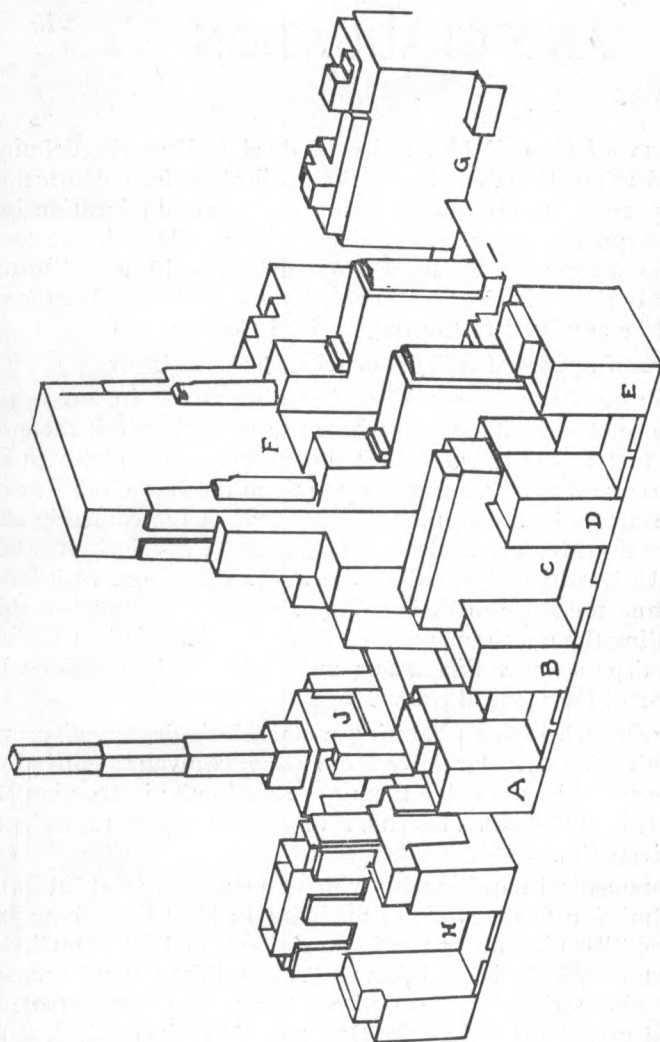


New York Hospital-Cornell Medical College from the East showing Hospital for Special Surgery (*foreground*) and Olin Hall (*background*), new additions to the Center.



NEW YORK HOSPITAL — CORNELL MEDICAL COLLEGE

From the West showing Medical College



KEY TO THE PHOTOGRAPH ON THE OPPOSITE PAGE

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|----------------------------------|-----------------------------------|--------------------------------------|
| A: Anatomy. | D: Physiology. | G: Payne Whitney Psychiatric Clinic. |
| B: Bacteriology and Immunology. | E: Biochemistry and Pharmacology. | H: Nurses' Residence. |
| C: Administration and Pathology. | F: New York Hospital. | J: Service and Power. |

REQUIREMENTS FOR ADMISSION AND GRADUATION

THE FACULTY of Cornell University Medical College, in defining the qualifications for admission to the medical profession, attaches particular importance to the liberal culture and general education implied by the acquisition of a college degree. The college degree as a prerequisite for acceptance has been adopted by Faculty and Trustee action, and only the following candidates for the degree of Doctor of Medicine will be admitted to Cornell Medical College.

1. Graduates of approved colleges or scientific schools; or
2. Seniors in good standing in Cornell University or in any other approved college or scientific school whose faculty will permit them to substitute the first year of the professional course for the fourth year in arts and sciences, and who will confer upon them the Bachelor's degree upon the satisfactory completion of the first year of the course in the Cornell University Medical College. Students from institutions other than Cornell University seeking admission under this clause must have a statement from the Dean of their college signifying approval of this plan for fulfilling the requirements for the degree. Any student failing to receive his degree under this arrangement will not be admitted to the second year of the medical course.
3. Persons who, while not possessing a Bachelor's degree, give evidence by examination that they have acquired an equivalent education and a training sufficient to enable them to profit by the instruction offered in the Medical College. This rule is intended to apply to students of foreign universities.

The basic premedical requirements which all students must fulfill to qualify for admission to the study of medicine in New York State are set forth in the "Regulations of the Commissioner of Education," the pertinent part of which is as follows: "A candidate shall present evidence of having satisfactorily completed two years of study toward a liberal arts degree registered by the Department; or its equivalent as determined by the Commissioner. The required two years of college study shall include at least 6 semester hours each in English, physics, biology or zoology, and general chemistry, and 3 semester hours in organic chemistry."

Although the requirements outlined above form the basis of eligibil-

ity for admission to the medical course, they should be considered as representing the irreducible minimum. The list contains a total of twenty-seven credit points which probably represents sufficient time to enable the student to obtain a basic preparation in these different fields. In many colleges, however, additional credits in one or more of these departments are required of the candidate in order to satisfy major requirements for the degree. In making the choice of elective courses, consideration should be given to the principle that thorough training in the sciences is essential. On the other hand, choosing too many elective courses in these departments may not provide the most acceptable preparation for medicine, since it tends to limit the time available for study in other departments offering work of a broad educational value. Students planning to study medicine should bear in mind that bacteriology, immunology, human physiology, and abnormal psychology are properly subjects of the medical and not of the premedical curriculum. In planning premedical work students are advised to elect subjects which will lay a broad foundation for medical study rather than to anticipate courses required as a part of the medical curriculum.

Each year the Admissions Committee selects an entering class of approximately 84 students from a group of more than 1,400 applicants. The members of the committee are keenly aware of their serious responsibility in selecting students who have the native ability, traits of character, soundness of personality, and adequate financial responsibility that will enable them to finish satisfactorily their course in the Medical College. A serious obligation to society is also acknowledged by a medical school. It must graduate only those persons who can be expected, with reasonable certainty, to do creditable work in some field of medicine after graduation. The Admissions Committee selects from all applicants those who seem best to fulfill such requirements.

In selecting a relatively small class from a large group of well qualified applicants, the Committee is mindful of the sound and liberal traditions of Cornell University. They attempt to select well qualified students with varied backgrounds—from various geographic areas, from different socio-economic groups, and from varying types of educational institutions. As to grade averages, the Committee needs to satisfy itself that the applicant's scholastic record, both as to courses taken and grades received, gives reasonable assurance that the individual can do the medical curricular work without undue difficulty. Grading systems vary so much from school to school that no specific grade can be categorically stated as minimally acceptable. To be accepted for admission a student must have a satisfactory scholastic record. Beyond that, grades are considered less important than the personal attributes—emotional stability, sound character, healthy personality, intellectual maturity, strong motivation, and ability to

cooperate. The Medical College Admission Test results are helpful in appraising an applicant's academic ability. No one pattern of extra-curricular activities is considered more meritorious than another. The Admissions Committee looks at each applicant as a total individual, insofar as that is possible with the information obtainable. Those applicants are considered acceptable who have the qualities, abilities, and capabilities considered necessary in a person who hopes to become a physician. Eligibility for admission is determined without regard for race, creed, color, religion, or national origin. Admission policies are in conformity with the policy of the state in regard to the American ideal of equality of opportunity as embodied in the Education Practices Act.

As a general rule the courses given in professional schools of pharmacy, veterinary medicine, optometry, agriculture, and the like are not considered as fulfilling adequately the admission requirements.

APPLICATIONS FOR ADMISSION

All requests for application forms and inquiries regarding dates for submitting applications should be addressed to the Committee on Admissions, 1300 York Avenue, New York City. In making application for admission, the regular form issued for this purpose must be filled out and submitted to the Office of Admissions. Candidates are accepted for only one class in advance. With the large number of students making application in recent years, it has been necessary to assign a definite period for distributing application forms. For a class entering in September of a certain year, the application forms may be obtained on request beginning September 1 of the previous year. Applications should be completed during the fall, and no application will be accepted after January 15. A charge of \$5 is made for submitting an application. This fee should be made payable to Cornell University Medical College in the form of a check or money order and *is not returnable*.

Applications are passed upon by the Committee on Admissions after all credentials have been filed. As soon as the Committee takes favorable action upon an applicant, a letter of acceptance is immediately forwarded to him, and the accepted applicant is required to make a deposit of \$50 within a specified time. This deposit is not returnable but is credited toward the first tuition payment. If the accepted student fails to make the deposit in the stipulated time, he forfeits his place on the class roll.

It is impossible for the Committee on Admissions to hold personal conferences with all candidates for admission as the number is too great, but selected individuals from the group of applicants receive an invitation to appear before members of the Committee.

A student who has previously attended another medical school and

has been dropped for poor scholarship or unfavorable conduct is not an acceptable candidate for admission to any class in Cornell Medical College. It is inadvisable, therefore, for one with this background to go through the formality of submitting an application.

ADMISSION TO ADVANCED STANDING

When vacancies occur, students may be admitted to advanced standing.

Application for a place in one of the upper classes should be filed according to the procedure described for admission to the first year class. Accepted applicants are required to make the deposit of \$50. Applicants must not only furnish acceptable evidence of having satisfactorily completed in an approved medical school all of the work required of students of the class they wish to enter, but also of having completed the conditions of admission to the first year class at Cornell University Medical College. They must present a certificate of honorable dismissal from the medical school or schools they have attended, and they may be required to take examinations in any of the medical courses taken at another school.

Although a certain number of students are regularly admitted from other institutions to enter the third year class at Cornell University Medical College, rarely have there been acceptances made of students to enter the fourth year on the basis of work at another medical school. Candidates seeking admission to the fourth year are required to come before the clinical departments for a thorough examination before final action is taken on their applications.

Persons who have received the degree of Doctor of Medicine at another institution will not be accepted as candidates for this degree at Cornell University Medical College. Likewise, persons who have finished all or part of the course in dentistry and seek a transfer to medicine are discouraged from making application here since Cornell does not have a department of dentistry and makes no provision for adapting the teaching in this subject to the medical curriculum.

ADVANCEMENT AND EXAMINATION

The entire medical curriculum is arranged in four courses, or academic years, and the student advances in steps of an academic year at a time. It is necessary that he complete all the subjects listed in a given academic year before taking up the next succeeding group of subjects, and to be *readmitted* to the Medical College in one of the advanced years (second, third, or fourth) he must be approved for promotion by the Faculty.

Any student who by quality of work or conduct indicates an unfitness to enter the profession of medicine may, at the discretion of the Faculty, be required at any time to withdraw from the Medical College.

At the close of the academic year examinations are given in all subjects except those extending through a part of the year only, in which examinations may be held at the close of the course in the hours allotted thereto. In making up a student's rating in a given course, all work covered in that subject during the year is taken into account, and due weight is assigned to the effort he puts in his work, his seriousness of purpose, and his scholastic resourcefulness, as well as the results of the final examination.

A final rating is made for each student at the end of the academic year, based on the results of his performance in all courses in the curriculum of that year. These final ratings of students are made on the recommendations of the Committee on Promotion and Graduation; then they are reviewed and formally acted on by the Faculty. The Faculty ratings classify all students of the medical course under one of four groups as follows:

1. Students with no encumbrances in any subject are recorded as "passed." This rating confers eligibility for readmission into the Medical College in the next higher class, unless by reason of conduct the Faculty considers the student unsuited for the medical profession.

2. Students with an unsatisfactory rating in 40 per cent or more of the required hours in a given year are recorded as "not passed." A rating of "not passed" carries ineligibility for readmission into the Medical College.

3. Students with an unsatisfactory rating in less than 40 per cent of the required hours of a given year are recorded as "conditioned." A "conditioned" student has failures in certain required courses, and he may be reexamined in these subjects, but only after pursuing additional work under the direction of the head of the department in which a failure has occurred. Students who fail on reexaminations are ineligible for readmission into the Medical College, unless under special circumstances they are permitted by the Faculty to repeat courses in which their work is deficient.

4. Students with uniformly low grades in most subjects of the course for two years or more are subject to special review by the Faculty, and any students with a record of this kind may be deemed unqualified to enter the medical profession. A rating in this group carries ineligibility for readmission into the Medical College.

It is a well established policy of the Medical College to make no announcement to students of grades received in any subject of the medical course. At the close of each academic year, however, students are informed of the quarter of the class in which their weighted average score places them in the order of class standing.

A transcript of the Medical College record of a student or graduate will be mailed on his request to accredited hospitals and to educational or other well recognized institutions as credentials in support of his

application for a position or promotion. All transcripts are marked "confidential" and carry the instructions that they are not to be turned over to the candidate. This ruling is for the purpose of avoiding possible loss and fraudulent use of an official document of the Medical College. The Medical College makes no charge for sending out transcripts of record.

REQUIREMENTS FOR GRADUATION

The candidates for the degree of Doctor of Medicine must have attained the age of twenty-one years and be of good moral character.

They must have completed successfully four full courses of at least eight months each as regular matriculated medical students, the last of which must have been in Cornell University Medical College. They must have satisfactorily completed all the required work of the medical curriculum and must have passed all prescribed examinations. At the end of the fourth year every student who has fulfilled these requirements will be recommended to the President and Trustees of Cornell University for the degree of Doctor of Medicine.

EXAMINATIONS FOR MEDICAL LICENSURE

Graduates of Cornell University Medical College are admitted unconditionally to the examinations for license to practice medicine in all states of the United States.

Students and graduates of Cornell University Medical College are admitted to the examinations of the National Board of Medical Examiners, whose certificate is recognized by the respective authorities of England, Scotland, and Ireland. Although national in scope and organized under the laws of the District of Columbia, the National Board of Medical Examiners is not to be confused with a federal government agency. For information write to the National Board of Medical Examiners, 133 South 36th Street, Philadelphia 4, Pa.

GENERAL INFORMATION

FEES AND EXPENSES

ALL FEES for instruction and other charges are paid at the Business Office of the Medical College, Room F-106, 1300 York Avenue, New York 21, N.Y.

Veterans receiving federal or state educational benefits are required to report to the Veterans Affairs Office, Room A-131, immediately after registering.

The Board of Trustees of Cornell University reserves the right to change the schedule of fees of the Medical College when deemed expedient.

APPLICATION FEE

A charge made for reviewing an application \$ 5.00

ACCEPTANCE DEPOSIT \$50.00

Each student admitted is given notice of favorable action on his application and a limited time (usually two weeks) in which to decide if he will enroll in the entering class. His name is not placed on the class list until the acceptance fee is paid. The fee is credited toward the tuition charge and is not returnable if the student fails to enter.

MATRICULATION FEE (payable only once) \$ 10.00

TUITION FEE, for academic year \$1,000.00

This charge is payable at the beginning of the academic year, or in three equal parts, the first of which must be made at registration. For fourth year students, the first installment will be due at or before September registration. No refund or rebate will be made in any instance.

STUDENT HOSPITALIZATION INSURANCE, for calendar year \$19.20

This insurance is carried through the Associated Hospital Service (Blue Cross plan) and may be extended to wives and families of married students at additional cost. This compulsory insurance plan assures a limited period of care to all students during the time they are members in good standing in the Medical College.

BREAKAGE DEPOSIT \$10.00

This deposit is required of first and second year students at the beginning of each academic year and will be returned, less the amount charged for breakage, at the end of the second year.

GRADUATION FEE \$25.00

This charge is payable two months before graduation.

BOOKS AND INSTRUMENTS, EXCLUSIVE OF MICROSCOPES

The average cost is approximately \$135 a year, distributed as follows: first year, \$150; second year, \$215; third year, \$125; fourth year, \$50.

MICROSCOPES

Each student is required to provide himself with a microscope of an approved type. The College Book Store handles all makes, and students placing their orders here are given every consideration in the purchase price on the instrument they select.

RESIDENCE AND LIVING EXPENSES

F. W. Olin Hall, student residence, was completed for occupancy in September, 1954. This building was made possible by a generous gift from the Olin Foundation. The residence is located on York Avenue at 69th Street, directly across the street from the Medical College entrance. It contains a gymnasium, snack bar, lounge rooms, and 278 residence rooms. The Alumni Memorial Room contains the George T. Delacorte, Jr., Book Collection as well as the War Memorial to Cornell graduates who gave their lives in the Wars. Each residence room is furnished as a single bedroom-study, but, since each two rooms have a connecting bath, they may be used as a suite for two students if desired. The rooms are completely furnished, and linen service is provided. Rentals for students are: for an academic year, \$285; for a full year (12 months), \$350; for periods less than one year, \$35 a month; \$10 a week; \$1.50 a night. One floor is reserved for women students, and nonhousekeeping facilities for married students are available.

STUDENT HEALTH SERVICE

Members of the first year class and students transferred to advanced standing from other colleges are required to have a physical examination by a member of the Student Health Staff. In addition, each student in the Medical College must report once a year for an X-ray examination of the lungs. All members of the fourth year class are called for a reexamination, and a careful check of the findings is made with those presented at the time the student entered. Students pay no fee for the yearly X-ray examination, nor for the services of the Student Health

Staff, but they are charged for any special X-ray studies. Office hours are held from 12:30 to 1:30 o'clock and 4:30 to 5:10 o'clock daily by the Student Health Staff. Health records are kept and students advised concerning their physical condition and general health. All cases of illness must be reported to the College office. Students may have in attendance physicians of their own choice, but a reasonable amount of cooperation between such physicians and the College's Health Service is expected.

PRIZES

1. *FOR GENERAL EFFICIENCY.* In commemoration of John Metcalfe Polk, an instructor in this college who was graduated from Cornell University Medical College June 7, 1899, and died on March 29, 1904, prizes will be presented at each commencement to the three students having the highest standing for the four years' work. Only those who have taken the full course of study at Cornell University Medical College are eligible. The first prize is \$250, the second \$100, and the third \$50.

2. *FOR EFFICIENCY IN OPHTHALMOLOGY.* Two prizes, the first of \$50, the second of \$25, are offered by Professor Bernard Samuels to the two students of the graduating class who make the best records in ophthalmology.

3. *FOR EFFICIENCY IN OTOLARYNGOLOGY.* Two prizes, the first of \$50, the second of \$25, are offered by members of the staff of otolaryngology to the two students of the graduating class who make the best record in this specialty.

4. *FOR EFFICIENCY IN OBSTETRICS.* Two prizes, the first of \$50, the second of \$25, have been endowed by an anonymous donor in recognition of the work of Dr. Gustav Seeligman, in obstetrics, to be given to the two students of the graduating class who have made the best records in obstetrics.

5. *FOR EFFICIENCY IN GENERAL MEDICINE.* The income from \$1,000 is offered as a prize for general efficiency in the department of medicine, in commemoration of Alfred Moritz Michaelis, who was graduated from Cornell University Medical College on June 11, 1925, and who died during his internship at Mt. Sinai Hospital, April 24, 1926. Presented at each commencement to a member of the graduating class who has pursued the full course at Cornell University Medical College.

6. *THE MARY ALDRICH FUND.* In memory of William Mecklenburg Polk, M.D., LL.D., first dean of the Medical College, two prizes are offered for proficiency in research to regularly matriculated students

of the Cornell University Medical College, the first of \$150, and the second of \$50. Members of all classes are eligible for these prizes.

The awards are made at the end of each academic year for the best report presented in writing of research work done by students, or for valuable reviews and logical presentations on medical subjects not to be found fully considered in a single text or reference book. If the papers submitted are not considered worthy of special commendation, the prizes will be withheld.

Papers are submitted in quadruplicate in a sealed envelope marked "Dean William Mecklenburg Polk Memorial Prize Committee" and must be in the Administration Office not later than three weeks prior to the end of each academic year.

The committee of awards for this prize consists of two members of the Faculty from laboratory departments and two from clinical departments.

For 1955 the William Mecklenburg Polk Prize awards for research were: first prize: Herbert Getty Vaughan, Jr.; second prize: Artemis George Pazianos and Brian O'Malley Quinn.

7. *THE WILLIAM C. THRO MEMORIAL FUND.* Established in memory of William C. Thro of the class of 1901 whose all-absorbing interest in and devotion to clinical pathology found expression in the teaching and practice of this subject in his alma mater continuously from 1910 to 1938. This prize award is to be given to the student showing the best record in the course in clinical pathology. The candidate for the prize is to be recommended by the professor of clinical pathology and the award made by the Committee on Prizes and Scholarships.

8. *THE HERMAN L. JACOBIOUS PRIZE IN PATHOLOGY.* Established in 1945 by a gift from Dr. Lawrence Jacobius and his friends in memory of his son who was killed in action in the Netherlands on September 28, 1944. Dr. Herman L. Jacobius was a member of the class of 1939. The income of the fund is available annually to the student of the third or fourth year class who, in the opinion of the staff of the department of pathology, merits recognition for high scholastic attainments and outstanding performance in the subject of pathology. If in any year no student merits the distinction the award will be withheld.

9. *THE BORDEN UNDERGRADUATE RESEARCH AWARD.* The terms of this grant by The Borden Company Foundation, Inc., provide for awards of \$500 during any one calendar year for a period of five years. The award will be made under the following terms and conditions:

1. All persons in the graduating class of the Medical College of Cornell University who, during any year while enrolled in the College, have carried out undergraduate research in the medical field shall be eligible for the Borden Undergraduate Research Award in Medicine. The award shall be presented at the time of

his graduation to that eligible person whose research has been determined by the Medical College to be the most meritorious performed by all similarly eligible persons. Originality and thoroughness of research shall be of primary consideration.

2. In the event that the Dean shall find it inappropriate to make the award in any one year, the award may be deferred to another year. Only one award, however, will be made during any one calendar year.

Papers submitted for this prize should be in quadruplicate and must be in the Administration Office not later than three weeks before the end of the term.

The Borden Prize for Research for the year 1955 was awarded to Robert Leonard Beals.

SCHOLARSHIPS

1. *THE JOHN METCALFE POLK SCHOLARSHIP.* A gift under the will of William Mecklenburg Polk, the first Dean of the Medical College, is awarded annually by the Faculty. The scholarship amounts to about \$200 a year.

2. *THE THORNE SHAW SCHOLARSHIP FUND.* This fund provides three scholarships designated as:

First: A scholarship of approximately \$400 available to students after at least two years of study in the Medical College.

Second: Two scholarships of approximately \$200 each available to students after at least one year of study in the Medical College.

These scholarships are awarded by the Faculty upon nomination by the Committee on Scholarships and Prizes. They are awarded annually in June and are for one year only. Students receiving the scholarships are notified of the award at the end of the session.

3. *MARY F. HALL SCHOLARSHIP.* The income, amounting to about \$180 annually, from a fund established by bequest of Miss Mary F. Hall, is available to any woman student in Cornell University Medical College who needs its aid and who is a bona fide resident of the State of New York and was such prior to admission to the College.

4. *THE 1936 JOHN AND KATHLEEN MAYER SCHOLARSHIP FUND.* A five thousand dollar fund established in 1936, the income from which is annually available to meritorious students who need its aid, and who have completed one or more years of the regular medical course. The award is for one year only, but tenable for a second or third year providing the qualifications of the candidate merit a reaward. If during any year the income from the fund is not used as stated above, then it may be used for such research work, or otherwise, as in the judgment of the Faculty (or Trustees) may be deemed best.

5. *THE 1939 JOHN AND KATHERINE MAYER SCHOLARSHIP FUND.* A five thousand dollar fund established in 1939, the income

from which is annually available to meritorious students who need its aid, and who have completed one or more years of the regular medical course. The award is for one year only, but tenable for a second or third year providing the qualifications of the candidate merit a re-award. If during any year the income from the fund is not used as stated above, then it may be used for such research work, or otherwise, as in the judgment of the Faculty (or Trustees) may be deemed best.

6. *THE JEREMIAH S. FERGUSON SCHOLARSHIP*. Established in memory of Jeremiah S. Ferguson, who throughout his long connection with the Medical College, of somewhat more than forty years, devoted much effort to helping students with their individual problems and promoting their professional careers. The fund amounts to \$5,000, the income from which, approximately \$200 a year, is awarded annually by the Committee on Scholarships and Prizes to a student or students in the third and fourth year classes in the Medical College who are in need of financial aid and who by conduct and scholarship have proved worthy investments.

7. *THE CHARLES RUPERT STOCKARD SCHOLARSHIP*. A ten thousand dollar fund was established in 1939 by a friend of the late Charles Rupert Stockard, Professor of Anatomy in the Cornell University Medical College, 1911-39. The interest of this fund is to be awarded either to one student (approximately \$400) or to two students (approximately \$200 each) who have shown promise in the work in the department of anatomy and who are desirous of doing advanced work in this department. The scholarships are to be awarded by the Executive Faculty upon nomination by the head of the department of anatomy.

8. *THE DR. JOHN A. HEIM SCHOLARSHIPS*. Established under the will of John A. Heim of the class of 1905 to provide such number of scholarships in the Medical College as there shall be funds available for that purpose. The awards are to be made to regularly matriculated medical students who are in need of financial assistance, as provided for in the terms of the bequest.

First year students are eligible, provided they meet the standards prescribed.

9. *THE DR. CHARLES I. HYDE '10 AND EVA HYDE SCHOLARSHIP FUND*. Established in memory of their daughter, Anita Shirley Hyde. The terms of this endowment provide that the income be available annually to meritorious students who have completed one year of the regular medical course and are in need of assistance. The income from this endowment amounts to about \$100 yearly.

10. *THE DR. JACQUES SAPHIER SCHOLARSHIP FUND*. Established in memory of Dr. Jacques Conrad Saphier (Lieutenant, j.g., USNR) of the class of 1940, who was killed in action on August 21,

1942, at Guadalcanal while in the performance of his duty. The income from this fund shall be awarded annually to a meritorious student of the Cornell University Medical College who has completed at least one year of work, who needs its aid, and who, in the opinion of the Faculty merits the recognition for which this scholarship was established.

11. *THE ELISE STRANG L'ESPERANCE SCHOLARSHIP*. This award is maintained by the personal contributions of Dr. Elise Strang L'Esperance, whose interests in the educational advancements of the Medical College have continued for many years. The value of this scholarship is \$1,000, and the award is to be given annually to the most outstanding woman medical student in the fourth year class in Cornell University Medical College. The selection of the recipient of this scholarship is to be made by the Dean in consultation with persons suggested under the original donation.

12. *THE SAGAN FOUNDATION SCHOLARSHIP*. An annual scholarship of \$500 to be awarded to a student in Cornell University Medical College, to be selected by the College on the basis of scholarship and need, without reference to race, color, sex, or creed. In the event the Foundation should discontinue the award, at least one year's notice shall be given the Medical College. A special blank issued by the Sagan Foundation should be obtained from the Dean's Office by students making application for this scholarship.

13. *RUTH HOLLOHAN SCHOLARSHIP FUND*. This fund was established by the terms of the will of Jessie L. Hollohan in memory of Ruth Hollohan. The income is to be used for scholarships for students in the Medical College, with first consideration to be given to entering students of good scholarship who are in need of financial assistance.

14. *THE WALLACE D. GARRABRANDT SCHOLARSHIP*. Established by Mabel G. Gormley. This scholarship, amounting to approximately \$200, is to be awarded annually by the Committee on Scholarships to a regularly matriculated medical student of good scholarship who is in need of financial assistance.

15. *LEONA E. TODD SCHOLARSHIP*. Under the terms of the will of Alzina T. Elliott, a scholarship has been established for women students in the Medical College. The income from the gift is approximately \$800 per year.

16. *JOHN WILLIAM TATEM SCHOLARSHIP*. Through the generosity of John William Tatem, a scholarship has been established for an entering student. This is to be awarded to an applicant who has shown outstanding ability and who needs aid to enable him to attend medical school. The award is for \$1,250 yearly as long as the student maintains a good record in his medical studies.

17. *ANONYMOUS SCHOLARSHIP*. A generous donor has established two scholarships, each paying \$2,000 a year for four years of medical study. One such award may be made every two years. These scholarships are to be given to students whose qualifications give outstanding promise for success in medicine, and who are unable to attend medical school without financial assistance.

18. *THE CORNELL UNIVERSITY MEDICAL COLLEGE FUND*. This fund was established in 1954 by gifts from Mrs. Howard Charles. In addition to the contributions originally made by Mrs. Charles, the fund consists also of donations from Alumni, faculty, patients, and others in varying amounts. The purpose of the fund is to provide a source of financial assistance to deserving students who have made satisfactory progress in their studies.

The awards are made by the Committee on Scholarships and in amounts commensurate with the money available.

19. *VIVIAN B. ALLEN SCHOLARSHIP*. Through the generosity of the Vivian B. Allen Foundation, Inc., this endowment has been established to aid needy male students of good scholastic standing who otherwise would not be able to complete their medical education.

20. *MARY LOUISE WUESTER SCHOLARSHIP*. Established in memory of his mother by Dr. William O. Wuester. The income of this fund is awarded annually by the Committee on Scholarships to a regularly matriculated medical student of good scholarship in need of financial aid.

BURSARY FOR WOMEN STUDENTS

THE MARIE AND JOHN ZIMMERMAN FUND. A sum from this fund will be available this year to certain women students as a memorial to Marie Zimmerman, Sr. The candidates will be chosen in accordance with the purposes of the donor as set forth in the following terms:

"It is the desire of the Fund that Dr. Connie M. Guion and the Assistant Dean assign the proceeds of the donations to one or more women medical students who are financially in need of assistance and whose academic standing leads them to believe that the recipients of the awards will make a success in their profession."

The objectives and method of assigning these awards will follow the principles accompanying the donations received during the present year.

LOAN FUNDS

1. *THE 1923 LOAN FUND*. The income from this fund amounts to \$350 a year and is available as a loan to students needing financial assistance, preferably to a third year student.

2. *ALUMNI ASSOCIATION LOAN FUNDS.* The Alumni Association of the Medical College is able to aid a few students in meeting their expenses by the Jessie P. Andresen Memorial Fund and the Class Student Loan Funds. The loans made from these funds will be administered by the Board of Directors of the Alumni Association. The Medical College is consulted in making these awards. Students in the upper classes will be given preference.

3. *STUDENT LOAN FUND.* A revolving fund contributed through different sources including The Kellogg Foundation, The Charles Hayden Foundation, and the Student Book Store is available to students in all classes who are in need of assistance. Every effort is made within the limitations of the financial structure of the institution to help students who by reason of unforeseen circumstances get into money difficulties. A special committee considers each case on its individual merits. A student having indebtedness to the Medical College in other ways than formal loans is ineligible for graduation.

4. *JOSEPH C. HINSEY LOAN FUND.* Made available through the generosity of the Olin Foundation. A revolving loan fund to advance funds on a loan basis to students in need of financial assistance.

ALPHA OMEGA ALPHA

Alpha Omega Alpha is a nonsecret Medical College Honor Society, membership in which is based upon scholarship, moral qualifications being satisfactory. It was organized at the College of Medicine of the University of Illinois, Chicago, August 25, 1902. A.O.A. is the only order of its kind on this continent.

Elections are made from students who have fully completed two years of a four year curriculum, by unanimous vote of the active members acting on recommendations made by Faculty advisers. Not more than one-sixth of any class may be elected. Aspects of and indispensable to true scholarship are included open-mindedness, individuality, originality, demonstration of studious attitude, and promise of intellectual growth.

The Cornell Chapter of A.O.A. was organized May 2, 1910. A large number of the Faculty are members. The Chapter sponsors an annual open lecture delivered in the Medical College Auditorium on a cultural or historical phase of medicine.

The members elected from the graduating class of 1955 are the following: Ronald A. Arky, Stephen McC. Ayres, Edward L. Bierman, Robert S. Brittain, John L. Brown, Jr., William D. Horrigan, Joseph W. Landau, Richard R. Lower, Lowell G. McLellan, Walter A. Murray, Jr., Leslie E. Rudolf, Jr., Steven Schenker, Frank J. Veith.

SIGMA XI

Sigma Xi, a national honorary society devoted to the encouragement of scientific research, was founded at Cornell University at Ithaca in 1886. An active branch of the Cornell Chapter is maintained at the Medical College. Many members of the Faculty and research staff are members of Sigma Xi and share in the activities of the Cornell Chapter. Medical students are eligible for election to membership in Sigma Xi on the basis of proved ability to carry on original medical research and on nomination by active members of the Cornell Chapter.

CORNELL UNIVERSITY MEDICAL COLLEGE
ALUMNI ASSOCIATION, INC.

Officers

John A. Evans, '35	<i>President</i>
Joseph F. Artusio, Jr., '43	<i>Vice President</i>
Keith O. Guthrie, Jr., '40	<i>Secretary</i>
Henry A. Carr, '35	<i>Treasurer</i>
Miss Ellen R. Phillips	<i>Executive Secretary</i>

Directors

Three Year Term: William A. Barnes, '37; Charles D. Sawyer, '31.
Two Year Term: Irving S. Wright, '26; Adelaide Romaine, '29.
One Year Term: Nelson W. Cornell, '21; Mary Ann Payne, '45.

Alumni Quarterly

David N. Barrows, '12	<i>Editor</i>
Willis M. Weeden, '19	<i>Associate Editor</i>
Edward F. Stanton, '35	<i>Associate Editor</i>

Each graduate of Cornell University Medical College is automatically considered a member of the Alumni Association, and the dues are \$5 a year. The activities of the Association include a quarterly publication, an annual banquet, student and faculty parties, student loan funds, and an employment bureau. The Association maintains an office at 1300 York Avenue.

An annual appeal for funds for the use of the Medical College is made to members of the Association.

EDUCATIONAL POLICIES AND PLAN OF INSTRUCTION

THE MEDICAL COLLEGE is divided into twelve major departments, seven of which are primarily concerned with the sciences underlying clinical medicine. They are anatomy, biochemistry, physiology, microbiology and immunology, pathology, pharmacology, and public health and preventive medicine. Five departments have as their major functions the study, treatment, and prevention of human diseases, and maternity care. These are medicine, surgery, pediatrics, psychiatry, and obstetrics and gynecology.

The heads of these major departments, together with the President of the University and the Dean, constitute the Executive Faculty, which is responsible for the educational policies of the College.

Courses required to be completed by each student before the degree of Doctor of Medicine is conferred by Cornell University are offered by each department. These courses are arranged, in their sequence and duration, to develop logically the knowledge and training of students and to build up gradually the requirements needed for graduation as Doctor of Medicine. The various departments also offer courses and opportunities for special study open to regular medical students, to candidates for advanced degrees in the Graduate School of Cornell University, and to qualified advanced students of medicine not candidates for degrees.

Medical knowledge is so extensive that only a small part of that needed for a successful career in medicine can be acquired during the time devoted to medical study by the medical college curriculum. The time devoted by the prospective physician to his preparation for the practice of medicine includes at least one and often many more years of graduate medical education as intern or resident of a hospital, either in clinical or laboratory work or both. The required period of study at Cornell University Medical College extends over four academic years of at least thirty-three weeks each.

As medical science and medical practice may be pursued in a variety of ways, it is the policy of the College to encourage the student to vary his course of study according to his special interests and particular talents as far as is consistent with meeting the requirements for the degree of Doctor of Medicine.

A thesis is not required for the degree of Doctor of Medicine, but

students are encouraged to engage in individual work as far as their time permits, with the hope that they may accomplish results worthy of publication. It is desirable, therefore, for some students to devote all their free time to a single subject in which they have a special interest.

The development of technical and scientific proficiency in the various special fields of clinical medicine is not encouraged during the regular medical course but must await adequate training after graduation.

The first year of study is devoted to anatomy, biochemistry, physiology, microbiology, and psychobiology.

In the second year, the subjects of physiology and microbiology are completed, and the student takes up work in parasitology, pathology, pharmacology, physical diagnosis, psychiatry, neurology, clinical pathology, public health, ophthalmology, radiology, and surgery.

During the third and fourth years, students are divided into small groups for practical work in the various clinics and for elective work. The third year class meets at noon each day for clinical lectures and demonstrations.

Time for elective work is provided in the fourth year, after students have had opportunities to acquire some knowledge of the medical sciences and of clinical medicine. Students are advised to consult informally members of the Faculty in regard to the use of their time for elective work. It is deemed best not to establish a formal advisory system.

The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without previous notice to students.

DESCRIPTION OF COURSES

ANATOMY

DON W. FAWCETT, Professor of Anatomy
CHARLES M. BERRY, Associate Professor of Anatomy
JOHN MACLEOD, Associate Professor of Anatomy
WILLIAM A. GEOHEGAN, Assistant Professor of Clinical Anatomy
WILBUR D. HAGAMEN, Assistant Professor of Anatomy
LAWRENCE W. HANLON, Assistant Professor of Anatomy
ERNEST W. LAMPE, Assistant Professor of Clinical Anatomy

Research Associate: Doris G. Holmquist

Instructors: F. David Anderson, John L. Norris, D. B. Slautterback

Research Fellow: Mario H. Burgos

Assistant: John J. Taylor

EMBRYOLOGY AND HISTOLOGY . . . The work in embryology presupposes a general knowledge of the subject, particularly that of the early development of the chick. It embraces a thorough study of the development of the mammalian embryo in the light of our knowledge of the evolution of the human body. Malformations resulting from developmental disturbances are broadly considered. The course is closely correlated with that of gross anatomy.

The work in histology includes the histogenesis and microscopic structures of all organs of the human body with the exception of the central nervous system (*see* Neuroanatomy). Emphasis is laid on relation of structure to function.

The tissues are studied principally by means of stained sections, and practice is given in rapid identification of their diagnostic features. Demonstrations of living material are made, and opportunities are offered for acquiring the essentials of histological technique.

Laboratory and lectures, 180 hours, first and second terms. Required of all first year students.

NEUROANATOMY . . . A laboratory course on the gross and microscopic anatomy of the human nervous system. Special emphasis is laid on the more important pathways and their functions.

Laboratory and demonstrations, 84 hours. Required of all first year students during the second term.

GROSS ANATOMY OF THE HUMAN BODY . . . This is taught by means of laboratory exercises and dissections. The required work includes: (a) dissection of the part; (b) demonstrations, study, and discussion upon dissected and prepared specimens.

Total laboratory hours, 374. First and second terms of the first year. Required of all first year students.

ELECTIVE COURSES. . . Subject to the approval of the department of anatomy, its equipment is available to medical students wishing to pursue advanced work or research in anatomical subjects. Members of the staff will direct the progress of such undertakings. Schedules to fit individual cases will be arranged for a limited number of third and fourth year students who may devote the major part or all of their elective time in this department. Such elective time may be devoted to one of the following: (1) a review of dissection, (2) dissection of foetus, (3) microscopic anatomy, (4) embryology, (5) special research problems.

COURSES OPEN TO SPECIAL STUDENTS

GROSS ANATOMY . . . A limited number of graduates in medicine will be provided with material for dissection of the human body. Fee, \$50 for a term of ten weeks; or for entire dissection, \$100.

COURSE IN SURGICAL ANATOMY . . . This course consists of an extensive review of surgical anatomy with demonstrations and dissections. It is specially designed for candidates for the American Board of Surgery and is in charge of Dr. Ernest W. Lampe. The fee for the course, which includes matriculation, registration charges, and tuition, is \$200, and the course will be for a period of four weeks. The size of the class is limited to 25 persons. Inquiries may be directed to Office of the Dean, Cornell University Medical College, 1300 York Avenue, New York 21, N.Y.

ANATOMICAL RESEARCH . . . Subject to special arrangement with the head of the department.

BIOCHEMISTRY

VINCENT DU VIGNEAUD, Professor of Biochemistry
ROY W. BONSNES, Associate Professor of Biochemistry
DONALD B. MELVILLE, Associate Professor of Biochemistry
JULIAN R. RACHELE, Associate Professor of Biochemistry
HELENA GILDER, Assistant Professor of Biochemistry
DUANE T. GISH, Assistant Professor of Biochemistry
FRANK R. N. GURD, Assistant Professor of Clinical Biochemistry
CHARLOTTE RESSLER, Assistant Professor of Biochemistry

Research Associates: Stephen J. Eich, Dorothy S. Genghof, Albert Johl, Panayotis G. Katsoyannis, Richard A. Ruskin, George L. Tritsch, Alan M. White, Mary Elizabeth Wright

Instructor: Edward J. Kuchinkas

Research Fellows: M. Frederick Bartlett, Martha Ludwig

Assistant: Robert J. Brotherton

The instruction in biochemistry is concentrated in the first year and is arranged upon the assumption that the student is already thoroughly

grounded in the principles of chemistry and physics. The object is to impart that fundamental knowledge of biochemistry which is necessary to the comprehension of the bearings of chemistry upon medicine.

The schedule during the first and second terms is devoted to an intensive course in general biochemistry by means of lectures, demonstrations, and conferences. During the third term the instruction is centered largely in the laboratory and the conference room where the knowledge gained in the first two terms is consolidated and amplified. Considerable emphasis is laid upon quantitative rather than qualitative laboratory procedures. Throughout these lectures the application of biochemistry to the study of disease and metabolic disturbances is stressed. Collateral reading in biochemical literature is encouraged.

FIRST AND SECOND TERM . . . Lecture and conference course dealing with the chemistry and intermediary metabolism of proteins, fats, carbohydrates, and purines; enzymes, digestion, intestinal, putrefaction, and feces; the composition of the tissues, blood, milk, and urine; hormones and vitamins; the elements of physical chemistry as applied to biology and medicine, with emphasis on the fundamental properties of electrolytes and colloids.

33 hours, first term.

33 hours, second term.

THIRD TERM . . . Laboratory course with lectures and conferences extending the work of the first two terms.

154 hours, third term.

ELECTIVE COURSES

ADVANCED LABORATORY WORK OR RESEARCH . . . By special arrangement.

COURSES OPEN TO SPECIAL STUDENTS

BIOCHEMISTRY . . . Fee, \$25 a term.

BIOCHEMICAL LITERATURE . . . Seminar course on the current literature in biochemistry, mainly for graduate students but open to a limited number of specially qualified medical students. Hours to be arranged. Professors du Vigneaud, Melville, and Rachele.

BIOCHEMICAL PREPARATIONS . . . A laboratory course dealing with the isolation, synthesis, and analysis of selected compounds of biological importance. Hours, credits, and fees to be arranged. The Staff.

RESEARCH IN BIOCHEMISTRY . . . By arrangement with the head of the department.

MEDICINE

DAVID P. BARR, Professor of Medicine (*Chairman*)
 JOSEPH H. BURCHENAL, Professor of Medicine
 LLOYD F. CRAVER, Professor of Clinical Medicine
 CLAUDE E. FORKNER, Professor of Clinical Medicine*
 LOUIS HAUSMAN, Professor of Clinical Medicine (Neurology)
 GEORGE M. LEWIS, Professor of Clinical Medicine (Dermatology)
 ASA L. LINCOLN, Professor of Clinical Medicine
 RULON W. RAWSON, Professor of Medicine
 PAUL REZNIKOFF, Professor of Clinical Medicine
 LEWIS D. STEVENSON, Professor of Clinical Medicine (Neurology)
 HAROLD G. WOLFF, Professor of Medicine (Neurology)
 IRVING S. WRIGHT, Professor of Clinical Medicine
 THOMAS P. ALMY, Associate Professor of Medicine
 HORACE S. BALDWIN, Associate Professor of Clinical Medicine
 ANTHONY C. CIPOLLARO, Associate Professor of Clinical Medicine (Dermatology)
 HENRY S. DUNNING, Associate Professor of Clinical Medicine
 RICHARD H. FREYBERG, Associate Professor of Clinical Medicine
 WILLIAM J. GRACE, Associate Professor of Medicine*
 EDWIN T. HAUSER, Associate Professor of Clinical Medicine
 DAVID A. KARNOFSKY, Associate Professor of Medicine
 MILTON L. KRAMER, Associate Professor of Clinical Medicine
 ALLYN B. LEY, Associate Professor of Clinical Medicine
 MARY H. LOVELESS, Associate Professor of Clinical Medicine (Allergy)
 E. HUGH LUCKEY, Associate Professor of Medicine
 ADE T. MILHORAT, Associate Professor of Medicine in Psychiatry
 CARL MUSCHENHEIM, Associate Professor of Clinical Medicine
 THEODORE W. OPPEL, Associate Professor of Clinical Medicine
 OLOF H. PEARSON, Associate Professor of Medicine
 GEORGE G. READER, Associate Professor of Medicine
 HENRY B. RICHARDSON, Associate Professor of Clinical Medicine
 SIDNEY ROTHBARD, Associate Professor of Medicine
 EPHRAIM SHORR, Associate Professor of Medicine
 DONALD J. SIMONS, Associate Professor of Clinical Medicine
 J. JAMES SMITH, Associate Professor of Clinical Medicine
 HAROLD J. STEWART, Associate Professor of Medicine
 ALPHONSE E. TIMPANELLI, Associate Professor of Clinical Medicine
 EDWARD TOLSTOI, Associate Professor of Clinical Medicine
 RALPH TOMPSETT, Associate Professor of Clinical Medicine
 ROBERT F. WATSON, Associate Professor of Clinical Medicine
 BRUCE P. WEBSTER, Associate Professor of Clinical Medicine
 CHARLES H. WHEELER, Associate Professor of Clinical Medicine
 BYARD WILLIAMS, Associate Professor of Clinical Medicine
 ANDREW J. AKELAITIS, Assistant Professor of Clinical Medicine (Neurology)*
 SILVIO BAEZ, Assistant Professor of Medicine
 CURTIS H. BAYLOR, Assistant Professor of Clinical Medicine
 LOUIS BERLIN, Assistant Professor of Clinical Medicine (Neurology)
 KEEVE BRODMAN, Assistant Professor of Clinical Medicine
 JACOB BUCKSTEIN, Assistant Professor of Clinical Medicine
 KATHARINE BUTLER, Assistant Professor of Clinical Medicine
 HENRY A. CARR, Assistant Professor of Clinical Medicine
 AARON D. CHAVES, Assistant Professor of Clinical Medicine
 EUGENE J. COHEN, Assistant Professor of Clinical Medicine

*On leave of absence.

HARVEY S. COLLINS, Assistant Professor of Medicine
FRANK E. CORMIA, Assistant Professor of Clinical Medicine (Dermatology)
PETER G. DENKER, Assistant Professor of Clinical Medicine (Neurology)
HENRY D. DIAMOND, Assistant Professor of Clinical Medicine
WILLIAM J. EISENMENGER, Assistant Professor of Clinical Medicine
RALPH L. ENGLE, JR., Assistant Professor of Medicine
ALBERT J. ERDMANN, JR., Assistant Professor of Clinical Medicine
AARON FEDER, Assistant Professor of Clinical Medicine
WILLIAM T. FOLEY, Assistant Professor of Clinical Medicine
CONSTANCE FRIESS, Assistant Professor of Clinical Medicine
SIDNEY M. GREENBERG, Assistant Professor of Clinical Medicine
SUSAN J. HADLEY, Assistant Professor of Clinical Medicine
LEON D. HELLMAN, Assistant Professor of Medicine
MILTON HELPERN, Assistant Professor of Clinical Medicine
LAWRENCE E. HINKLE, JR., Assistant Professor of Clinical Medicine
ELLIOT HOCHSTEIN, Assistant Professor of Clinical Medicine
EVELYN HOLT, Assistant Professor of Clinical Medicine
RAYMOND W. HOUDE, Assistant Professor of Medicine
ABRAHAM S. JACOBSON, Assistant Professor of Clinical Medicine
WILLIAM H. KAMMERER, Assistant Professor of Clinical Medicine
GEORGE L. KAUER, Assistant Professor of Clinical Medicine
B. H. KEAN, Assistant Professor of Clinical Medicine (Tropical Medicine)
LEMOYNE C. KELLY, Assistant Professor of Clinical Medicine
MARGARET KLUMPP, Assistant Professor of Clinical Medicine*
HENRY J. KOCH, JR., Assistant Professor of Medicine
HERBERT KOTEEN, Assistant Professor of Clinical Medicine
JOHN S. LADUE, Assistant Professor of Clinical Medicine
MICHAEL LAKE, Assistant Professor of Clinical Medicine
RICHARD E. LEE, Assistant Professor of Clinical Medicine
LEON I. LEVINE, Assistant Professor of Clinical Medicine*
SOL S. LICHTMAN, Assistant Professor of Clinical Medicine
MACK LIPKIN, Assistant Professor of Clinical Medicine
EDWARD J. LORENZE, III, Assistant Professor of Clinical Medicine (Physical Medicine)
DANIEL S. LUKAS, Assistant Professor of Medicine
KIRBY A. MARTIN, Assistant Professor of Clinical Medicine
ABRAHAM MAZUR, Assistant Professor of Biochemistry in Medicine
RICHARD R. McCORMACK, Assistant Professor of Clinical Medicine
ROBERT H. MELCHIONNA, Assistant Professor of Clinical Medicine
M. LOIS MURPHY, Assistant Professor of Medicine
W. P. LAIRD MYERS, Assistant Professor of Medicine
MARY ANN PAYNE, Assistant Professor of Clinical Medicine
NORMAN PLUMMER, Assistant Professor of Clinical Medicine
EDGAR A. RILEY, Assistant Professor of Clinical Medicine
DAVID E. ROGERS, Assistant Professor of Medicine
ALBERT L. RUBIN, Assistant Professor of Clinical Medicine
MARVIN H. SLEISINGER, Assistant Professor of Clinical Medicine
MARTIN SONENBERG, Assistant Professor of Medicine
CHESTER M. SOUTHAM, Assistant Professor of Medicine
ISRAEL STEINBERG, Assistant Professor of Clinical Medicine
WILLIAM D. STUBENBORD, Assistant Professor of Clinical Medicine
ARTHUR M. SUTHERLAND, Assistant Professor of Clinical Medicine
CORNELIUS H. TRAEGER, Assistant Professor of Clinical Medicine
CHARLES D. WEST, Assistant Professor of Medicine

*On leave of absence.

Research Associates: Beatrice Berle, Rose-Ruth Ellison, Saul Green, Rhoda Me-traux, Kathleen E. Roberts, Erwin Sheppard, Marguerite Sykes

Instructors: Seymour Advocate, Abraham A. Antoville, George C. Armistad, Sam C. Atkinson, Charles A. Bailey, Lloyd T. Barnes, Jeremiah A. Barondess, Ruth P. Berkeley, Carl A. Berntsen, Aaron W. Bortin, Warren S. Braveman, Samuel H. Brethwaite, Veronica C. Brown, Grafton E. Burke, Edward A. Burkhardt, Foo Chu, Jean A. Cramer, Jeff Davis, Marion Davis, Monroe T. Diamond, Carolyn H. Diehl, John W. Dougherty, Murray Dworetzky, Robert E. Eckardt, George C. Escher, Emil A. Falk, Lawrence Farmer, John A. Finkbeiner, William Geller, John M. Gibbons, Francis J. Gilroy, Elsie A. Giorgi, Oscar E. Goldstein, Keith O. Guthrie, Jr., Thomas C. Guthrie, Louis A. Hauser, Leonard L. Heimoff, Herman G. Helpern, Eugene L. Horger, Robert D. Huebner, Leif Y. Jacobsen, William H. Jeffreys, Lawrence I. Kaplan, Henry B. Kirkland, David D. Klierer, Henn Kutt, Harold L. Leder, Dorothea Lemcke, Marjorie Lewisohn, Jerrold S. Lieberman, Robert M. Lintz, Norton M. Luger, A. Parks McCombs, Ellen McDevitt, Neva Eilen McGrath, Herbert L. Martin, Alan Mermmann, Raymond E. Miller, L. Mary Moench, Willis A. Murphy, Carl K. Needy, Dewey A. Nelson, Warren P. Nestler, Irwin Nydick, Adrian M. Ostfeld, Thomas C. Parsons, Marjorie B. Patterson, George E. Peabody, Francis S. Perrone, Aurelia Potor, R. A. Rees Pritchett, Charles H. Ressler, Thomas N. Roberts, Alan S. Robinson, Bernard Rogoff, Julius L. Rogoff, Emmanuel Rudd, Theresa Scanlan, Arthur W. Seligmann, Charles Sheard, Edward M. Shepard, Eugene P. Simon, Harry A. Sinclair, John R. Smith, Lawrence S. Sonkin, Thomas B. Spencer, Aaron D. Spielman, Herman Steinberg, Carl R. Stevenson, Albert J. Stunkard, Katharine W. Swift, Charlotte T. C. Tan, Douglas P. Torre, Marian Tyndall, Frederick E. G. Valergakis, Louis J. Vorhaus, II, Harold R. Wainerdi, Milton A. Wald, Lila A. Wallis, Aaron O. Wells, Charles A. Werner, Erwin A. Werner, Harold N. Willard, Felix Wroblewski, Seymour Zucker

Research Fellows: John C. Batten, David V. Becker, Loring Chapman, Denton S. Cox, Jerome Deutschberg, John Gittinger, David Goebel, Helen Goodell, Mary E. Hopper, Melvin Horwith, Thomas Killip, III, Seung Hoon Lee, Charles M. Lewis, Martin Lipkin, Peter R. Mahrer, Stanley R. McCampbell, James H. Pert, James W. Poppell, Sanford M. Reiss, David Roseman, Peter E. Stokes, Dorothy Weber Sved, Hertha H. Taussky, Vincent A. Toscani, S. Bernard Udin, Enrique Urdaneta, Marc Verstraete, Ole Wasz-Höckert, Munire Yuceoglu

Assistants in Medicine: Lucien I. Arditi, Joe O. Arrington, Richard M. Barry, Barbara Bates, Harrison O. Brown, Jr., William H. Bunn, Jr., Bayard D. Clarkson, Burton D. Cohen, Lamar E. Crevasse, Jr., Roger M. Des Prez, Richard L. Dexter, Henry R. Erle, George W. Frimpter, Ernest Greenberg, Edward I. Honig, Raymond Kivel, David H. Law, Robert E. Lee, Glenn D. Lubash, William W. Martin, Jr., David W. Molander, Thomas G. Pennington, Ann S. Peterson, Nelson G. Richards, Ruben Garcia Rincom, William H. Shafer, Harold J. Simon, Demetre Sokhos, Jean F. Steadman, John V. Torbert, Joseph P. Van Der Meulen, J. William Warren, Marilyn S. Wells, Edward A. Wolfson, Edward L. Worthington

Lecturers: Ignaz W. Oljenick (Neurology), Robert L. Yeager (Tuberculosis)

Students begin their course in medicine in the second term of the second year with physical diagnosis. They are introduced to this subject in the second term (two afternoons a week) by means of lectures, demonstrations, and practical work on normal subjects and patients. In the third term they spend two mornings a week with the patients either in the pavilions of the New York Hospital or on the wards of Bellevue, Memorial Hospital, or Lincoln Hospital.

An introductory course in neurologic diagnostic methods is given under the direction of Dr. Wolff in the third term of the second year. The work consists of demonstrations and intensive training in the discipline of neurological examination. The students in groups of three are assigned to an instructor on the neurology service of Bellevue Hospital. This work coincides in time with the other training in physical diagnosis.

An introductory required course in clinical pathology is given in the third term of the second year, under the direction of Dr. Kellner. It consists of lectures and laboratory work. Among the topics discussed are the theory, practice, and application of methods for the examination of urine, blood, sputum, exudates, transudates, spinal fluid, gastric contents, and feces. The methods studied include chemical, morphological, serological, and animal inoculation methods which are of value as diagnostic procedures. Discussion of the clinical signification of findings is included. In addition, certain allergic phenomena are presented in lecture and demonstration, and their clinical relationship is discussed.

In each of the terms of the third year, one third of the class act as clinical clerks in medicine. Their time is divided equally between the New York Hospital under the supervision of Dr. Barr, Dr. Wolff, and Dr. Engle, and Bellevue Hospital under the direction of Dr. Almy. The medical wards of the New York Hospital comprise five public pavilions totaling 126 beds. Those at Bellevue have approximately 100 teaching beds. The service includes patients with diseases of the nervous system and of the skin. These are under the care of subdepartments which are organized for teaching and clinical research as well as the management of patients. They are, therefore, analogous to independent departments of dermatology and neurology as seen in other hospitals. An active pulmonary service is functioning in close cooperation with the surgical service and pediatric service. Beds on the fourth floor at the New York Hospital are used for the study and treatment of infectious diseases, including tuberculosis, the exanthemata, and syphilis. There is close cooperation with the department of psychiatry in the study of the neuroses and early manifestations of psychoses found in the wards and dispensary.

The backbone of the student's training as a clinical clerk is believed to be his own experience with patients as amplified by reading and by contact with members of the hospital and teaching staff. He is given as much responsibility as is practical, namely, the recording, in the hospital records, of his own histories and laboratory examinations. These, together with his physical examinations, are supervised by tutors, each of whom has responsibility for the supervision of a small group of students. Additional teaching consists of rounds with the visiting and house staff and more formal conferences once a week in which the clerks present cases for criticism and discussion. In these it

is attempted to cover the more important fields of internal medicine. The work of the clerkships is supplemented by frequent clinical conferences which are held throughout the academic year. During the clinical clerkship the students receive further training in the evaluation of signs and symptoms of disease of the nervous system. Two teaching visits a week at the New York Hospital are dedicated to neurological problems. This work supplements that of the second year by placing special emphasis upon etiology and therapeusis in diseases of the nervous system.

The instruction of the senior students is conducted in the outpatient department with the intent of offering experience in general medicine, neurology, dermatology, and other medical specialties. Other departments of the clinic such as physiotherapy and dietotherapy provide demonstrations. Practical work with patients is supplemented by seminars, demonstrations, and conferences and by presentation of subjects by the students.

This course for seniors has been fused with the Medical Comprehensive Care and Teaching Program, description of which will be found below.

Clinical-pathological conferences organized by the department of pathology in conjunction with the clinical departments occur weekly throughout the year.

ELECTIVE COURSES

CLINICAL CLERKSHIP AT BELLEVUE HOSPITAL . . . Dr. Thomas P. Almy and staff. For periods of one month. Maximum registration, eight students. Work will include case assignments, ward rounds, frequent conferences with Dr. Almy and members of his staff.

ENDOCRINOLOGY AND METABOLISM . . . Dr. Ephraim Shorr and staff. For periods of two months. Maximum registration, two students. The work will consist of assignments to diabetic clinic, endocrine clinic, and metabolism ward, and participation in applicable laboratory methods.

NEUROLOGY . . . Dr. Harold G. Wolff and staff. For periods of one month or two months. Maximum registration, three students. For the shorter period, the work will include participation in clinical activities, on the neurological outpatient department and ward. For the longer period, it will include also participation in investigative problems.

CARDIOLOGY . . . Dr. Harold J. Stewart and staff. For period of two months. Maximum registration, one student. The work will consist of participation in the cardiac clinic and wards, and the reading of electrocardiograms, and assignments to research problems.

HEMATOLOGY . . . Dr. Paul Reznikoff and staff. For periods of one month or two months. Maximum registration, two students. The work will include participation in clinical activities in the outpatient department, ward, and hematology laboratory, together with possible assignment to investigate problems.

NEUROANATOMY . . . This course given by Dr. Louis Hausman will cover the development and anatomy of the nervous system and laboratory work on the reconstruction of the nervous system. Each student makes his own model. The anatomical background of the diseases of the nervous system is considered. Hours to be arranged with the instructor.

FORENSIC MEDICINE . . .

(a) *A series of 30 lectures* given by Dr. Milton Helpern. The subject matter is illustrated with material derived from cases investigated by the office of the Chief Medical Examiner of the Borough of Manhattan.

This course covers the following topics: the obligations and rights of physicians; relations of the physician to government agencies; functions of the office of medical examiner and of coroner; investigation and determination of the cause of sudden, suspicious, and violent deaths; the medicolegal necropsy; identification, signs of death, changes in the body after death; sudden natural death; relationship of disease and trauma; suicidal, accidental, and homicidal violent deaths; blunt force injuries, stab and bullet wounds, traumatic asphyxia, rape, abortion, infanticide; toxicology, especially the indications of poisoning and the selection of organs for chemical analysis; examination of blood stains, seminal stains, and hair, forensic application of blood grouping; occupational injuries and diseases.

Tuesday afternoon, 5-6 p.m.

(b) *Practical course.* An opportunity will be given to learn the circumstances surrounding and to observe at first hand the autopsy findings in numerous and varied cases of sudden, unexpected, suspicious, and violent deaths which are continuously being brought to the attention of the Office of the Chief Medical Examiner of the Borough of Manhattan for investigation.

Course to be given at the City Mortuary, 400 East 29th Street.

Applicants should arrange their time with Dr. Helpern.

OTHER ELECTIVES . . .

Other special electives may be arranged through conference with the head of the department.

**MEDICAL COMPREHENSIVE CARE AND
TEACHING PROGRAM**

The course in comprehensive medicine occupies the major attention of half the senior class during each of the two semesters of the fourth

year. It is designed to be a synthesis of the many disciplines to which the medical student has been exposed and, as such, may be considered a laboratory course in patient care.

Both the Medical and Pediatric Clinics have been designated as Comprehensive Care Clinics in which, through the use of consultants, the diagnosis and treatment of patients is carried out with minimal referral to other clinics. In this exercise senior students play a responsible and functioning role. Each student is assigned to new patients visiting the Comprehensive Care Clinic and, in addition, to especially selected family care patients for whom he serves as a family physician. He sees the adult members of the family in the general medical clinic and the children in the general pediatric clinic by appointment. Under appropriate circumstances, the student may make supervised house calls on his patients to diagnose and treat illness.

Social factors in patient care are emphasized through participation of the staff of the New York Hospital social service department. One social worker has been appointed to coordinate the activities of this staff, as well as the services provided by community agencies. Similarly, a public health nurse coordinates nursing activities in the program.

Teaching of preventive medicine is the responsibility of a physician representing the department of public health and preventive medicine.

Emotional aspects of disease are stressed through the participation of a selected group of psychiatrists from the department of psychiatry. Also, a member of the department of medicine participates in teaching the psychosomatic aspects of illness.

A representative of the department of surgery and one from the department of obstetrics and gynecology provide appropriate consultation services in their specialties to the Comprehensive Care Clinics.

Part-time electives in medical and pediatric subspecialties, psychiatry, and preventive medicine are offered each student in addition to the regular clinic work.

Dr. George G. Reader is in over-all charge of the program and is assisted by three assistant directors, two from the department of medicine together with the staff of the medical outpatient department, and one from the department of pediatrics together with the staff of the pediatric outpatient department.

MICROBIOLOGY AND IMMUNOLOGY

JAMES M. NEILL, Professor of Microbiology and Immunology

EDWARD J. HEHRE, Associate Professor of Microbiology and Immunology

JOHN Y. SUGG, Associate Professor of Microbiology and Immunology

DOROTHY S. GENGHOF, Assistant Professor of Microbiology and Immunology

Instructor: _____

Lecturers: Irving Abrahams, Alvin Hollander

The course is given in the third term of the first year and in the first term of the second year. Emphasis is placed upon the aspects of microbiology and immunology that are pertinent to an understanding of the infectious diseases.

FIRST YEAR . . . The laboratory work includes a survey of representative morphological groups of pathogenic bacteria, a study of the microbial flora of the upper respiratory and lower intestinal tracts of healthy persons, and experiments on the mechanisms involved in antigen-antibody reactions. The lectures are directed toward the establishment of general concepts, particularly the principles involved in microbial growth, the principles underlying active immunization, and the factors that enter into host-parasite relationships.

Lectures and laboratory: 55 hours.

SECOND YEAR . . . In this term a more intensive study is made of the agents of specific infections, including fungi, spirochetes, rickettsiae, and viruses, as well as bacteria. General concepts introduced in the first term are further developed by applying them to the specific diseases. Laboratory work with material from patients is included to illustrate the application of fundamental principles to practical problems. The action of chemotherapeutic agents, especially those of microbial origin, are considered.

Lectures, laboratory, and conference: 88 hours.

ELECTIVE COURSES . . . The department will arrange a schedule of work for fourth year students who wish to devote their elective time to microbiology and immunology.

OBSTETRICS AND GYNECOLOGY

- R. GORDON DOUGLAS, Professor of Obstetrics and Gynecology (*Chairman*)
JOSEPH F. ARTUSIO, JR., Associate Professor of Obstetrics and Gynecology (Anesthesiology)
ROY W. BONSNES, Associate Professor of Biochemistry in Obstetrics and Gynecology
EDWARD H. DENNEN, Associate Professor of Clinical Obstetrics and Gynecology
RALPH W. GAUSE, Associate Professor of Clinical Obstetrics and Gynecology
CARL T. JAVERT, Associate Professor of Clinical Obstetrics and Gynecology
CHARLES M. McLANE, Associate Professor of Clinical Obstetrics and Gynecology
JOSEPH N. NATHANSON, Associate Professor of Clinical Obstetrics and Gynecology
NELSON B. SACKETT, Associate Professor of Clinical Obstetrics and Gynecology
FRANK R. SMITH, Associate Professor of Clinical Obstetrics and Gynecology
THOMAS L. BALL, Assistant Professor of Clinical Obstetrics and Gynecology
JUSTIN T. CALLAHAN, Assistant Professor of Clinical Obstetrics and Gynecology
JOHN T. COLE, Assistant Professor of Clinical Obstetrics and Gynecology
ROBERT L. CRAIG, Assistant Professor of Clinical Obstetrics and Gynecology
WILLIAM F. FINN, Assistant Professor of Clinical Obstetrics and Gynecology
RANDOLPH GEPFERT, Assistant Professor of Clinical Obstetrics and Gynecology

WILLIAM P. GIVEN, Assistant Professor of Clinical Obstetrics and Gynecology
 OSCAR GLASSMAN, Assistant Professor of Clinical Obstetrics and Gynecology
 ARTHUR V. GREELEY, Assistant Professor of Clinical Obstetrics and Gynecology
 DONALD G. JOHNSON, Assistant Professor of Clinical Obstetrics and Gynecology
 ANN P. KENT, Assistant Professor of Clinical Obstetrics and Gynecology
 ELMER E. KRAMER, Assistant Professor of Clinical Obstetrics and Gynecology
 ROBERT LANDESMAN, Assistant Professor of Clinical Obstetrics and Gynecology
 BENJAMIN E. MARBURY, Assistant Professor of Clinical Obstetrics and Gynecology
 (Anesthesiology)
 CURTIS L. MENDELSON, Assistant Professor of Clinical Obstetrics and Gynecology
 GEORGE SCHAEFER, Assistant Professor of Clinical Obstetrics and Gynecology
 E. FLETCHER SMITH, Assistant Professor of Clinical Obstetrics and Gynecology
 CHARLES T. SNYDER, Assistant Professor of Clinical Obstetrics and Gynecology

Instructors in Obstetrics and Gynecology: Hugh R. K. Barber, Stanley J. Birnbaum, Perry S. Boynton, Jr., Myron I. Buchman, David B. Crawford, Jr., E. William Davis, Jr., Thomas F. Dillon, Hugh Halsey, II, Graham G. Hawks, William D. McLarn, Francis X. Moffit, Virginia K. Pierce, Richard A. Ruskin, Edward F. Stanton, William J. Sweeney, Archibald W. Thomson, Jr., John S. Van Mater, Virginia Werden

Assistants in Obstetrics and Gynecology: Robert Ayerst, Bennett Barton, Charles H. Bippart, Charles A. De Prose, Holden K. Farrar, James Gilmore, Herbert R. Kuhn, Edward C. Mann, James P. McNeil, Jr., Jay B. Skelton, Edmund Stapleford, Robert M. Wagner, Herbert A. Zaccheo

The Lying-In Hospital, a division of the New York Hospital, provides 116 pavilion beds for teaching purposes in obstetrics and gynecology. In addition, the private service consists of a total of 91 beds. Students are given practical instruction in the outpatient department clinics of both obstetrics and gynecology and in the various special clinics operated for the more intensive study and care of patients with unusual problems. The students are given every opportunity to benefit from the clinical work as carried on and demonstrated on the wards and in the operating and delivery rooms.

There are approximately 5,000 adult admissions to the obstetrical service and over 2,000 to the gynecological service each year.

SECOND YEAR

ORIENTATION AND INTRODUCTION TO PHYSICAL DIAGNOSIS . . . During the last trimester of the second year a two hour seminar or orientation in the discipline with a subsequent two hour session on physical diagnosis, including instruction in pelvic examination. Given to 7-8 students twice weekly. 4 hours.

THIRD YEAR

COURSE I. THE THEORY AND PRINCIPLES OF OBSTETRICS AND GYNECOLOGY . . . The content of this course consists of lectures and demonstrations covering the anatomy and physiology of the female reproductive system; the physiology and pathology of preg-

nancy, labor, and puerperium; and the etiology, pathology, and diagnosis of the diseases of the pelvic structures.

The entire class meets for these sessions on Tuesdays and Saturdays 12-1 p.m. throughout the year. Professors Douglas, Javert, McLane, Kramer, Frank Smith, Finn, Given, Johnson, and staff. Total hours, 66.

COURSE II. PRACTICAL INSTRUCTION . . . This work is given to one-sixth of the class for periods of one-half of a trimester (5½ weeks) on Tuesdays and Thursdays 9-11 a.m. The course deals especially with physical diagnosis in both obstetrical and gynecological patients, and manikin exercises. Professors Douglas, Dennen, Kramer, and staff.

COURSE III. SEMINAR . . . Tuesdays and Thursdays 11-12 a.m. Professors Given, Johnson, and staff.

COURSE IV. PRACTICAL DEMONSTRATION . . . This course comprises instruction in obstetrical and gynecological bacteriology and pathology. A considerable amount of this time is used in the study of pelvic neoplasms. Mondays 9-12 a.m. for one trimester. Professors Douglas, Javert, Kramer, Finn, Ball, and staff. Total hours, 66 for Courses II, III, and IV.

FOURTH YEAR

MAJOR PRACTICAL OBSTETRICS AND GYNECOLOGY . . .

This course comprises practical work in obstetrics and gynecology and is the sequel to the theoretical instruction offered to the third year students. Each student will live in the Lying-In Hospital for a period of 7½ weeks during which time he will act as a clinical assistant to the obstetrical and gynecological departments, hospital wards, delivery and operating rooms, and clinics. He will be provided with sleeping accommodations but not with board. The student is expected to participate in all departmental teaching functions. Daily rounds are held on each floor to keep him informed on all activities in addition to his assigned patients.

The practical work includes the prenatal care of many patients, attending them in labor and delivery as well as following them throughout the course of the puerperium. Facilities are also provided for the student to examine gynecological patients and to observe these patients through diagnostic and therapeutic procedures.

Because of the nature of the service, night and week-end work is required. Minimum hours allotted to the course, 264.

DEPARTMENTAL STAFF CONFERENCE AND ROUNDS . . .

A weekly staff conference is held on Mondays from 2 to 4 p.m. and rounds on Fridays from 11 a.m. to 1 p.m. Symposia and instructive case reports with student participation will be presented. Professor Douglas and staff.

OBSTETRICAL AND GYNECOLOGICAL PATHOLOGY . . . Representative pathological material with a brief clinical history and microscopic projection will be presented each Wednesday from 5 to 6 p.m. Professors Javert, Kramer, and staff.

ELECTIVE COURSES

PRACTICAL OBSTETRICS AND GYNECOLOGY . . . A certain number of students will be accepted to serve as assistants in different clinics.

Courses can be arranged in the chemical, bacteriological, and pathological laboratories for the study of specific research problems. The special clinics provide teaching facilities for clinical investigation in carcinoma, endocrinology, heart disease, X-ray pelvimetry, infertility, and other allied sciences. The various rounds and staff conferences can be attended.

Encouragement is given for original work according to the departmental facilities and the student's capabilities and in general will be designed to meet the student's qualifications.

PATHOLOGY

JOHN G. KIDD, Professor of Pathology

JOHN M. PEARCE, Professor of Pathology

AARON KELLNER, Associate Professor of Pathology

GEORGE E. MURPHY, Associate Professor of Pathology

LEWIS D. STEVENSON, Associate Professor of Pathology

F. STEPHEN VOGEL, Associate Professor of Pathology

JOHN T. ELLIS, Assistant Professor of Pathology

CHARLES T. OLCOTT, Assistant Professor of Pathology

GOETZ W. RICHTER, Assistant Professor of Pathology

JOHN F. SEYBOLT, Assistant Professor of Pathology

Instructors: Arthur S. Carlson, George C. Haberfelde, Robert Hirsch, Nelson D. Holmquist, Claude I. Hood, Steven C. Mohos

Assistants: Gleb N. Budzilovich, Michel N. Haddad, Shirley L. Kauffman, Eric Pike, Charlotte M. Street, Stanley K. Wong

Lecturers: Paul F. de Gara, Jules Freund, Milton Helpern, Theodore Robertson

GENERAL PATHOLOGY

FACILITIES . . . The department of pathology occupies three floors of the central part of the College building, conveniently located above the library and in immediate contact with the Hospital, the autopsy room being in the connecting wing between College and Hospital. The teaching is largely concentrated on the third floor, where the autopsy room, demonstration room for pathological anatomy, anatomical museum, and classrooms are found. The fourth and fifth floors are chiefly unit laboratories for staff members and graduate students and for tech-

nical preparation. In addition, animal quarters and facilities for experimental work are on the fifth, sixth, and seventh floors.

The museum contains a carefully selected collection of specimens, representing most of the common and many of the more unusual pathological lesions. It is especially rich in lesions of bones and in tumors. In addition to this mounted collection, there is available a very considerable amount of constantly changing gross material for student study.

The postmortem service of the New York Hospital affords abundant opportunity for study of pathological anatomy and its relation to clinical medicine. The systematic records of autopsies performed at the New York Hospital have been preserved since 1851, and in recent years protocols and microscopic slides have been carefully indexed and filed.

INSTRUCTION . . . The course of instruction is given in the second and third terms of the second year. Gross and histological lesions are studied, and their pathogenesis and correlation with disturbed function are considered. Lectures and classroom demonstrations are supplemented by studies at the autopsy table. The course begins with the degenerations, inflammation, and repair and proceeds with the various specific infections and tumors. The latter part of the course is devoted to special systemic pathology including an introduction to neuropathology.

GENERAL AND SPECIAL PATHOLOGY . . . Required in the second and third terms of the second year.

Professor Kidd and staff. 275 hours.

NEUROPATHOLOGY . . . The pathology of the nervous system is studied, and altered structure and function are correlated.

Professors Stevenson and Vogel. 33 hours.

CLINICAL PATHOLOGICAL CONFERENCES . . . These conferences are held in cooperation with the staffs of the clinical departments of the Hospital and Medical College each week throughout the year. Observations concerning the clinical course and diagnosis of diseases are correlated with changes found at autopsy.

COURSE IN CYTOLOGIC DIAGNOSIS OF CANCER . . . This course, given in the Papanicolaou Cytology Laboratory, consists of training in the technique and interpretation of smears prepared from various body fluids, with lectures, discussions, and laboratory work. It is designed for qualified physicians and laboratory workers. One course of three months will be given this year, beginning in March. The fee for the course, including tuition, matriculation, and administration charges, is \$300. The size of the classes is limited to 15 persons. Inquiries may be directed to Dr. John F. Seybolt, Cornell University Medical College, 1300 York Avenue, New York 21, N. Y.

ELECTIVE COURSES

A student may undertake the investigation of some problem in pathology or may pursue advanced courses in any of several fields to be determined by consultation with the head of the departments. Research or elective courses will ordinarily require the entire time of the student for a period of one to three months and may be continued into the summer.

PEDIATRICS

SAMUEL Z. LEVINE, Professor of Pediatrics (*Chairman*)
 CARL H. SMITH, Professor of Clinical Pediatrics
 PHILIP M. STIMSON, Professor of Clinical Pediatrics
 MAY G. WILSON, Professor of Clinical Pediatrics
 ARTHUR F. ANDERSON, Associate Professor of Clinical Pediatrics
 HAROLD W. K. DARGEON, Associate Professor of Clinical Pediatrics
 HELEN HARRINGTON, Associate Professor of Clinical Pediatrics
 MILTON I. LEVINE, Associate Professor of Clinical Pediatrics
 HAROLD B. ADAMS, Assistant Professor of Clinical Pediatrics
 LEONA BAUMGARTNER, Assistant Professor of Clinical Pediatrics
 SAMUEL R. BERENBERG, Assistant Professor of Clinical Pediatrics
 OTTO E. BILLO, Assistant Professor of Clinical Pediatrics
 MARGARET DANN, Assistant Professor of Pediatrics
 PAUL F. DE GARA, Assistant Professor of Clinical Pediatrics in Allergy
 SAMUEL W. DOOLEY, Assistant Professor of Clinical Pediatrics
 ROBERT O. DuBOIS, Assistant Professor of Clinical Pediatrics
 HELENE ELIASBERG, Assistant Professor of Clinical Pediatrics
 MARY ALLEN ENGLE, Assistant Professor of Pediatrics
 NATHAN EPSTEIN, Assistant Professor of Clinical Pediatrics
 JOHN E. FRANKLIN, Assistant Professor of Clinical Pediatrics
 MARTIN J. GLYNN, Assistant Professor of Clinical Pediatrics
 HENRY P. GOLDBERG, Assistant Professor of Clinical Pediatrics
 JAMES Q. HARALAMBIE, Assistant Professor of Clinical Pediatrics
 FREDERICK C. HUNT, Assistant Professor of Clinical Pediatrics
 EDMUND N. JOYNER, III, Assistant Professor of Clinical Pediatrics
 HEDWIG KOENIG, Assistant Professor of Clinical Pediatrics
 BARBARA M. KORSCH, Assistant Professor of Pediatrics
 NORMAN KRETCHMER, Assistant Professor of Biochemistry in Pediatrics
 CHARLES H. O'REGAN, Assistant Professor of Clinical Pediatrics
 IRVING SCHULMAN, Assistant Professor of Pediatrics
 LOUIS E. WEYMULLER, Assistant Professor of Clinical Pediatrics
 MARJORIE A. WHEATLEY, Assistant Professor of Clinical Pediatrics

Research Associates: Helen McNamara, Kenneth K. Tsuboi

Instructors: Barbara S. Ashe, David H. Baker, Walter T. Carpenter, Jr., Murray Davidson, Heinz F. Eichenwald, Marion E. Erlandson, Marvin J. Gersh, Helen N. Helper, Phyllis H. Koteen, Florence N. Marshall, Robert G. McGovern, Marion McIlveen, Ralph B. Moore, Jr., Joan E. Morgenthau, Thomas K. Oliver, Jr., Beatrice S. Slater, Martha L. Smith, Gertrude S. Stern, Maxwell Stillerman, Alvah M. Weiss, Doris S. Whitney, Natalie Yarow, Stanley S. Zipser

Fellows: June M. Cardullo, Leon I. Charash, Donnell D. Etzwiler, Carl P. Kremer,

Jr., Wan Ngo Lim, Melville G. Magida, Robert L. Nolan, Franklin H. Streitfeld, Virginia D. Weeks

Assistants: Richard R. Bass, Charles H. Bauer, Joseph H. DiLeo, Evelyn Fisher, John J. Hutchings, Tomiko Ito, Martin J. Kaplan, Robert A. Melton, Rebecca F. Notterman, Edward P. Wilmer

Research Assistant: Elizabeth V. New

THIRD YEAR . . . A clinical lecture once a week throughout the entire school year presents the subjects of normal growth and development in infants and children, principles of nutrition with their application to infant feeding, and patients illustrating the peculiarities of disease in early life. Students serve as clinical clerks in pediatrics for a period of five and one-half weeks on the pavilions of the New York Hospital. They are assigned new cases in rotation and gain experience in diagnosis and in the management of sick children requiring hospital residence. They are on duty in rotation at night and week ends. The work of the clinical clerkship includes attendance at cardiac clinics and at departmental conferences. Special rounds and seminars are arranged for the benefit of the clerks. Instruction in contagious diseases is given at the Willard Parker Hospital. Total hours, 165.

FOURTH YEAR . . . The clinical lectures are continued through part of the fourth year. They are closely integrated with the fourth year lectures in internal medicine. Many of the students' activities are a part of the Comprehensive Care and Teaching Program (see page 58). Students are assigned to the outpatient department in the mornings where they are given supervised responsibility for the management of ambulatory pediatric patients. They take histories, make physical examinations, and prescribe treatment. A daily therapeutic conference supplements the clinical work. A series of seminars is held under the supervision of senior staff members. Emphasis is placed on the handling of psychosomatic problems and on measures which can be taken to promote proper growth and development. Students are given the opportunity for longitudinal follow-up on individual patients so as to become familiar with normal growth and development of infants and children and the natural history of disease processes. Home visits and trips to inspect community resources are planned in relation to patient referrals to furnish students with understanding of home and community influences on the patient. Students are assigned to the well-baby clinic. Cooperation with the Department of Obstetrics makes possible contacts with mothers during the ante partum and lying-in period. Total hours, 66.

ELECTIVE COURSES . . . Elective courses are offered to fourth year students. These include the General Pediatric Clinics, Isolation Unit, some special Pediatric Clinics, and work in the Division of Child Development.

PHARMACOLOGY

McKEEN CATTELL, Professor of Pharmacology
 HARRY GOLD, Professor of Clinical Pharmacology
 WALTER MODELL, Associate Professor of Clinical Pharmacology
 WALTER F. RIKER, Jr., Associate Professor of Pharmacology
 JANET TRAVELL, Associate Professor of Clinical Pharmacology
 SOLOMON GARB, Assistant Professor of Clinical Pharmacology
 NATHANIEL T. KWIT, Assistant Professor of Clinical Pharmacology
 JOSEPH F. REILLY, Assistant Professor of Pharmacology

Instructors: George G. Reader (Therapeutics), Seymour H. Rinzler, Jay Roberts

Research Fellows: George A. Condouris, Dorothy Karp, Virginia Davidson Weeks

EXPERIMENTAL PHARMACOLOGY . . . Laboratory work, demonstrations, conferences, and lectures given during the first term of the second year. The experiments are designed to illustrate a wide range of pharmacologic effects, the more important drugs being considered with reference to their action on different structures and their behavior in the organism. In conference, the laboratory data obtained by the class are assembled and discussed in relation to each other and to experiments reported in the literature. This course includes toxicology. 121 hours.

APPLIED PHARMACOLOGY . . . This course is given during the third trimester of the second year and is a continuation of the course in experimental pharmacology. It is intended to fill a gap between experimental pharmacology and the clinical use of drugs, and it deals with substances the pharmacological action of which can best be demonstrated on clinical material. This course includes practice in prescription writing. Emphasis is placed on evidence bearing directly on the human subject in health and diseases. 22 hours.

ELECTIVE COURSES

CONFERENCES ON THERAPY . . . Weekly informal conferences on treatment arranged by the departments of pharmacology and medicine in collaboration with other departments. These serve as a forum for the exchange of views and evaluation of evidence concerning drugs and other measures used in the treatment of disease, with open discussion by students, members of the College and Hospital staff, and visitors.

RESEARCH . . . Arrangements are made for individuals or groups to participate in original investigations with a view to learning the methods of pharmacological research. Special opportunities are afforded for work on enzyme systems, muscle-nerve, autonomic nervous system, and the cardiovascular system.

PHYSIOLOGY AND BIOPHYSICS

ROBERT F. PITTS, Professor of Physiology

ROGER L. GREIF, Associate Professor of Physiology

ROY C. SWAN, Associate Professor of Physiology*

FRANK G. CARPENTER, Assistant Professor of Physiology

DAVID D. THOMPSON, Assistant Professor of Physiology

Instructors: Gerhard Giebisch, Frederic Kavalier, Richard H. Kessler, Peter Poulos

Assistant: Martha B. MacLeod

FIRST YEAR . . . Lectures, conferences, laboratory experiments, and demonstrations. Physiology of muscle and nerve, gland secretion, digestion, the central nervous system, special senses, and endocrine organs. The laboratory work one full day a week includes experiments on these subjects. 110 hours.

SECOND YEAR . . . Lectures, conferences, laboratory experiments, and demonstrations. Physiology of respiration, blood, heart, circulation, kidney, and metabolism. Laboratory exercises one full day a week. 121 hours.

The course of instruction in physiology is directed toward an understanding of the principles involved in the functioning of the human body and the integration of its various systems. The lectures are supplemented by references to the current literature. The department is fortunate in having housed on the fourth floor of its building the Graham Lusk Library of Physiology, a gift to the department from its late Professor Graham Lusk. This includes bound volumes of complete sets of the important physiological and biochemical literature, monographs, handbooks, and textbooks, and is being supplemented by some of the current journals and monographs. In addition to the College library, the facilities of this library are at the disposal of the students of medicine.

The laboratory work includes a number of human experiments, emphasizes mammalian physiology, and is directed toward quantitative determinations. The laboratory experiments are chosen to illustrate fundamental principles in the respective fields of physiology and are correlated with lectures by means of conferences. The demonstrations include instruction in specialized techniques, experimental preparations, and presentation of clinical cases. These are facilitated by the participation and cooperation of staff members of various departments in the Medical College and the New York Hospital.

ELECTIVE COURSES

The department will arrange a schedule of work for fourth year students who wish to devote their elective time to physiology.

COURSES OPEN TO SPECIAL STUDENTS

1. **PHYSIOLOGY.** Fee, \$100 for each term.
2. **PHYSIOLOGICAL RESEARCH.** Subject to special arrangement with head of the department.

PSYCHIATRY

OSKAR DIETHELM, Professor of Psychiatry (*Chairman*)
 PHYLLIS GREENACRE, Professor of Clinical Psychiatry
 MARVIN K. OPLER, Visiting Professor of Anthropology (Social Psychiatry)
 THOMAS A. C. RENNIE, Professor of Psychiatry (Social Psychiatry)
 LEO SROLE, Visiting Professor of Sociology (Social Psychiatry)
 J. LOUISE DESPERT, Associate Professor of Clinical Psychiatry
 GEORGE W. HENRY, Associate Professor of Clinical Psychiatry
 ALEXANDER H. LEIGHTON, Associate Professor of Clinical Psychiatry
 ADE T. MILHORAT, Associate Professor of Medicine in Psychiatry
 JAMES H. WALL, Associate Professor of Clinical Psychiatry
 LIVINGSTON WELCH, Associate Professor of Psychology
 HAROLD G. WOLFF, Associate Professor of Psychiatry
 HELEN E. DANIELLS, Assistant Professor of Clinical Psychiatry
 ALAN W. FRASER, Assistant Professor of Clinical Psychiatry*
 FRANCIS J. HAMILTON, Assistant Professor of Clinical Psychiatry
 RICHARD L. HARRIS, Assistant Professor of Clinical Psychiatry
 LAWRENCE E. HINKLE, JR., Assistant Professor of Clinical Medicine in Psychiatry
 GERALD R. JAMEISON, Assistant Professor of Clinical Psychiatry
 SEYMOUR G. KLEBANOFF, Assistant Professor of Psychology
 RICHARD N. KOHL, Assistant Professor of Psychiatry*
 NORVELLE C. LAMAR, Assistant Professor of Clinical Psychiatry
 ANNE E. MILMAN, Assistant Professor of Biochemistry in Psychiatry
 CURTIS T. PROUT, Assistant Professor of Clinical Psychiatry
 JOSEPH F. REILLY, Assistant Professor of Pharmacology in Psychiatry
 FRED V. ROCKWELL, Assistant Professor of Clinical Psychiatry
 JOHN H. TRAVIS, Assistant Professor of Clinical Psychiatry
 EXIE E. WELSCH, Assistant Professor of Clinical Psychiatry

Associate: Dorothea G. Leighton

Research Associates: Harry Alpert, Eric Cleveland, Thomas Langner, William D. Longaker, Stanley T. Michael, Hans Oppenheimer, Eric J. Simon, Irwin Weinstein

Instructors: Valer Barbu, Julian I. Barish, Albert N. Browne-Mayers, A. Louise Brush, Alexander Carlen, Eric T. Carlson, Howard N. Cooper, Eleanor Crissey, Thomas L. Doyle, Jr., G. Renee Ferguson, Barbara Fish, Frederic Flach, M. Freile-Fleetwood, Martin J. Gerson, Stephen Goodyear, Lawrence J. Hatterer, Thomas F. Henley, John H. Hughes, Peter T. Janulis, Francis D. Kane, Walter W. Kemp, M. Dorothea Kerr, Charles A. Knehr, Helen P. Langner, James F. Masterson, Jr., John F. McGrath, Robert E. Peck, Leon L. Rackow, Peter F. Regan, III, Shirley Schaffer, Marie-Louise Schoelly, Albert C. Sherwin, Leonard R. Straub, Albert Stunkard, Joseph D. Sullivan, Hans Syz, Gordon Templeton, David Timrud, Morton L. Wadsworth, William H. Wainwright, Nathaniel Warner, Frederick J. Wertz, Joseph L. Wielawski, Walter D. Woodward, Harold S. Wright.

Assistants: James E. Baxter, Remo R. Cerulli, Lois de Alvarado, Evelyn Fisher, Marie Krisiuk, Edward C. Mann, Alan A. McLean, Martha K. Reese

The department of psychiatry offers instruction during each of the four years. The understanding of development of the normal personality forms a necessary basis for future clinical training. A course in psychopathology in the second year orients the student in personality disorders and in the methods of their examination and study. In the

*On leave of absence.

third year, this preliminary training is utilized in the study of patients at the Payne Whitney Psychiatric Clinic and on the pavilions of the New York Hospital. In the psychiatric outpatient department, during the fourth year, the student participates in the study and treatment of the diverse problems presenting themselves in general psychiatric practice. The importance of personality problems in general medicine is taught in the pavilions of the New York Hospital and in the outpatient service of the Payne Whitney Psychiatric Clinic. Clinics are planned to unify these many activities and to offer in addition a broad understanding of treatment and investigation.

FIRST YEAR: PERSONALITY DEVELOPMENT . . . This course acquaints the student with the development and methods of study of the normal personality. Lectures and seminars are utilized in presenting a dynamic orientation to the formation of personality from infancy through senescence. The significance of interpersonal relations is stressed, with particular emphasis on the patient-physician relationship. Psychological, physiological, and sociological factors are considered. Total hours, 22.

SECOND YEAR: PSYCHOPATHOLOGY AND METHODS OF EXAMINATION . . . The outstanding psychopathological phenomena are demonstrated and their psychodynamics studied by the students on patients in the outpatient department of the Payne Whitney Psychiatric Clinic and at the Manhattan State Hospital. This course offers practical experience in interviewing and history taking and in the methods of psychiatric examination. Total hours, 33.

THIRD YEAR: CLINICAL PSYCHIATRY . . . The principles of clinical diagnosis are presented, and a systematic review is given of the major reaction types and the dynamics of psychiatric disorders. In the pavilions of the New York Hospital, patients are studied with special emphasis on the importance of psychological factors and their role in disease and health. The intricacies of the doctor-patient relationship are emphasized.

FOURTH YEAR: CLINICAL PSYCHIATRY . . . In this course in the outpatient department of the Payne Whitney Psychiatric Clinic, the student carries out the treatment of individual patients. This course offers an opportunity to learn psychotherapy under close supervision and to understand the role of psychiatric social service and of psychological studies in the adjustment of these patients. Clinics with case presentation, with emphasis on psychiatric treatment and review of literature, are given on Wednesday from 2 to 3 o'clock. Seminars deal with the psychopathology of childhood and the management of related difficulties. Total hours, 99.

ELECTIVE WORK . . . Opportunities for elective work are provided

in the outpatient department, in the laboratories of the Payne Whitney Psychiatric Clinic, and in the department of social psychiatry, with emphasis on community psychiatry and epidemiology of mental illness, and at the Westchester Division of the New York Hospital, White Plains, N. Y.

PUBLIC HEALTH AND PREVENTIVE MEDICINE

WALSH McDERMOTT, Livingston Farrand Professor of Public Health and Preventive Medicine

LEONA BAUMGARTNER, Associate Professor of Clinical Public Health and Preventive Medicine

SAMUEL R. BERENBERG, Assistant Professor of Clinical Public Health and Preventive Medicine

BEATRICE B. BERLE, Assistant Professor of Clinical Public Health and Preventive Medicine

IRWIN D. J. BROSS, Assistant Professor of Public Health and Preventive Medicine (Vital Statistics)

AARON D. CHAVES, Assistant Professor of Clinical Public Health and Preventive Medicine

FRANKLIN M. FOOTE, Assistant Professor of Clinical Public Health and Preventive Medicine

AUGUST H. GROESCHEL, Assistant Professor of Public Health and Preventive Medicine

BENJAMIN H. KEAN, Assistant Professor of Clinical Public Health and Preventive Medicine (Parasitology)

ANN P. KENT, Assistant Professor of Clinical Public Health and Preventive Medicine

JAMES R. McCARROLL, Assistant Professor of Public Health and Preventive Medicine

ROBERT M. McCUNE, Assistant Professor of Public Health and Preventive Medicine

PHILIP OLLSTEIN, Assistant Professor of Clinical Public Health and Preventive Medicine

WILLIS M. WEEDEN, Assistant Professor of Clinical Public Health and Preventive Medicine

HAROLD N. WILLARD, Assistant Professor of Public Health and Preventive Medicine

Research Associates: Bernard Kutner, John Moore

Instructors: Frances H. Bogatko, James E. Ewing, Avrum B. Organick, Thomas G. Rigney

Research Fellow: Selma M. Shultz

SECOND YEAR: PARASITOLOGY . . . The course in parasitology is given by Dr. B. Kean and his associates. Dr. Kean is Consultant in Tropical Disease to the New York Hospital and has had extensive field experience in the tropics. Dr. Kean will be able to present many actual cases of parasitic diseases which will illustrate the laboratory exercises

and the lectures. The important parasites of man are considered: the mode of transmission of each parasite is studied, as well as the life cycle and intermediate hosts. Particular emphasis is placed on the clinical aspects of the varied diseases that may be produced by the parasites. Prevention and control of human parasitic diseases are given proper consideration, and the therapy of these conditions is discussed.

This course is given each Thursday afternoon during the first trimester of the second year; a lecture or demonstration, 2 to 3 p.m.; laboratory exercises, 3 to 5 p.m. Total hours, 33.

SECOND YEAR: PUBLIC HEALTH . . . The course in public health is in the second term of the second year. The instruction is scheduled for each Monday afternoon, 2 to 5, for eleven exercises. The class is divided into two groups of approximately 40 students each, since laboratory and field instruction can best be presented to small groups.

Each student spends four afternoons in the study of biostatistics. These exercises are concerned essentially with a discussion of methods of statistical analysis as they relate to the interpretation of medical data.

The major portion of the allotted time in the second year is spent in consideration of procedures which are carried out by the community to protect and promote the health of its citizens. These include such matters as sanitation of water supplies, food sanitation, sewage disposal, and other environmental sanitary matters. Field trips are made to model housing projects, and a comparison is made with bad housing. Two afternoon exercises are devoted to industrial hygiene during which period visits are made to large industrial installations. The administration of official health department services is studied. This year two exercises will be devoted to a discussion of the influence of economic and social factors upon family and community illness. Total hours, 33.

THIRD YEAR . . . The course in the third year is termed Public Health. It is divided into two parts: (A) clinics and discussions; (B) section work.

(A) The noon clinics are held every Friday throughout the year. Approximately one-third of the clinics are devoted to epidemiology; one-third to the illness-preventive aspects of clinical medicine; and one-third to discussions relating to adequacy of medical care.

(B) Section work. The students are divided into groups of 12 to 14, and each group is assigned to the Kips Bay-Yorkville Health Center all day, every Friday, for a period of five to six weeks. The section is divided into small groups of four students, who participate in the activities of the Health Center, such as child health, school health, tuberculosis control, etc. One half-day session is spent in the Strang Cancer Prevention Clinic at Memorial Hospital, one half-day is spent in rehabilitation, and one half-day with the New York State Department of Workmen's Compensation. Each student reports on his home visit

with the public health nurse and also makes a dietary appraisal of a family in the district. Total section work, 33 hours; total clinics, 33 hours.

FAMILY HEALTH ADVISERS . . . A student may elect to serve as a "Family Health Adviser." Each of these students is assigned a family from the clientele of the New York Hospital. Under careful guidance, over a period of one year, he becomes the confidential adviser to the family on health matters. He observes the economic and social status of the family, their housing and nutrition. As opportunity offers, he aids the family in the utilization of the community resources that may be available to meet the family health needs. Every student has a faculty consultant who meets with him regularly to discuss the special health problems that have arisen in relation to his special family.

COMMUNITY STUDY . . . If the student prefers, he may select a "Community Study" instead of an assignment as Family Health Adviser. This study consists of a report upon a community of his own choice, giving in detail the facilities provided by the community for care of illness and protection of community health. This report includes not only the activities of the community health and welfare departments, but also the hospital facilities, medical, nursing, and dental personnel, and all other phases of community activities that aid in providing adequate medical care.

FOURTH YEAR . . . The teaching program in Public Health and Preventive Medicine in the fourth year is centered in the Comprehensive Care and Teaching Program. A member of the department has been selected as one of the teaching staff of this program. In addition, a member of the department is in charge of the teaching plan for rehabilitation and coordinates the teaching of this important subject for the fourth year class.

ELECTIVE COURSES

PREVENTIVE MEDICINE . . . An elective course is offered to students in the fourth year. Not more than four students will be accepted for any one period. Students will be assigned to the Kips Bay-Yorkville District Health Center and will participate in the various clinical and research activities of the Center. Part-time electives are also offered within the framework of the teaching in Comprehensive Care.

MEDICAL PARASITOLOGY . . . This course is intended to supplement and extend the required work in this field. Diagnosis, life histories of parasites and their vectors, and control measures are considered with special reference to tropical medicine.

RADIOLOGY

JOHN A. EVANS, Professor of Radiology (*Chairman*)

JAMES J. NICKSON, Professor of Radiology

HAROLD L. TEMPLE, Professor of Clinical Radiology

SYDNEY WEINTRAUB, Professor of Clinical Radiology

HARRY W. BURNETT, Associate Professor of Clinical Radiology

RALPH F. PHILLIPS, Associate Professor of Clinical Radiology

ROBERT S. SHERMAN, Associate Professor of Clinical Radiology

ELIZABETH F. FOCHT, Assistant Professor of Radiology (Physics)

GEORGE JASPIN, Assistant Professor of Clinical Radiology

JOHN T. McCLENAHAN, Assistant Professor of Clinical Radiology

T. ARTHUR PEARSON, Assistant Professor of Clinical Radiology

ISRAEL STEINBERG, Assistant Professor of Clinical Radiology

STEPHEN WHITE, Assistant Professor of Clinical Radiology

Instructors: Florence Chien-Hwa Chu, Nathaniel Finby, Alfred W. Kany, Nathan Poker, Irving Schwartz, Sam H. Seal, Henry M. Selby, Ruth Evelyn Snyder

Assistants: David H. Baker, Joseph V. Cusmano, Earle A. Herbert, Charles W. Merten, Zuheir Mujahed, Wayne D. Ross

The teaching of radiology is conducted by didactic lectures, by section work with smaller groups in connection with clinical clerkships, and by presentation of the X-ray aspects of various cases at the regular conferences of the clinical departments. Moreover, elective courses given in the fourth year play an important part in supplementing these methods. A large film and lantern slide museum of cases carefully selected for their teaching value has been prepared. This is constantly added to from the abundant material passing through the Department. Three floors of the L Building are assigned to X-ray work. In addition, equipment for special examinations is located in the Woman's Clinic, urology, psychiatry, and elsewhere in the Medical College and Hospital.

During the first year, in collaboration with the department of anatomy, anatomical structures are visualized by radiographic and roentgenoscopic methods.

The didactic work consists of a series of eleven lectures to the entire second year class. These include the fundamental principles of radiation physics, X-ray diagnosis, and X-ray and radium therapy, with the aim of making the student aware at this stage of the various uses of X-rays. The indications and limitations are stressed.

Section work is conducted in the third year, while the students are serving as clinical clerks. The departments of medicine, pediatrics, and surgery assign each group receiving instruction from them to the department of radiology for regularly scheduled informal sessions. Specifically related X-ray material is presented and correlated with the clinical and laboratory findings. These sessions total approximately thirty hours.

Twenty lectures on roentgen diagnosis and radiation therapy are given to the fourth year class.

ELECTIVES: FOURTH YEAR

(1) *X-ray Clinical Clerkship*. A limited number of students are accepted to observe, and assist, where possible, in the routine activities of the department. The routine includes film interpretations, fluoroscopy, therapeutic irradiation, and attendance at radiology conferences. Two conferences are held daily (L-611) at which time the more interesting diagnostic and therapeutic problems are discussed. One conference is held from 11 a.m. to 12 m. The second session, from 1 to 2 p.m. is limited to a review of the current examinations of the gastrointestinal tract.

(2) *Technique of Fluoroscopy*. Two hours. Limited to six students. Arrangements to be made through the department head.

(3) *Gastrointestinal Fluoroscopy and Film Interpretation*. One month. Limited to six students at any one time. During the period of the elective, the students will be permitted to perform fluoroscopic examination under supervision. Arrangements are to be made through the department head.

SURGERY

FRANK GLENN, Professor of Surgery (*Chairman*)
 ALEXANDER BRUNSCHWIG, Professor of Clinical Surgery
 HERBERT CONWAY, Professor of Clinical Surgery (Plastic Surgery)
 GUILFORD S. DUDLEY, Professor of Clinical Surgery
 WILLIAM F. MACFEE, Professor of Clinical Surgery
 JOHN M. McLEAN, Professor of Clinical Surgery (Ophthalmology)
 JOHN M. PEARCE, Professor of Pathology in Surgery
 HENRY T. RANDALL, Professor of Surgery
 BRONSON S. RAY, Professor of Clinical Surgery (Neurosurgery)
 T. CAMPBELL THOMPSON, Professor of Clinical Surgery (Orthopedics)
 PRESTON A. WADE, Professor of Clinical Surgery
 JOSEPH F. ARTUSIO, Jr., Associate Professor of Surgery (Anesthesiology)
 WILLIAM A. BARNES, Associate Professor of Clinical Surgery
 JOHN M. BEAL, Jr., Associate Professor of Clinical Surgery
 EUGENE E. CLIFFTON, Associate Professor of Clinical Surgery
 BRADLEY L. COLEY, Associate Professor of Clinical Surgery
 WILLIAM A. COOPER, Associate Professor of Clinical Surgery
 NELSON W. CORNELL, Associate Professor of Clinical Surgery
 MICHAEL R. DEDDISH, Associate Professor of Clinical Surgery
 JOHN W. DRAPER, Associate Professor of Clinical Surgery (Urology)
 JOHN H. ECKEL, Associate Professor of Clinical Surgery
 GEORGE F. EGAN, Associate Professor of Clinical Surgery (Dental Surgery)
 KRISTIAN G. HANSSON, Associate Professor of Clinical Surgery (Physical Medicine)
 CRANSTON W. HOLMAN, Associate Professor of Clinical Surgery
 WILLIAM HOWLAND, Associate Professor of Surgery (Anesthesiology)
 S. FARRAR KELLEY, Associate Professor of Clinical Surgery (Otolaryngology)
 ERNEST W. LAMPE, Associate Professor of Clinical Surgery
 FREDERICK L. LIEBOLT, Associate Professor of Clinical Surgery (Orthopedics)
 VICTOR F. MARSHALL, Associate Professor of Clinical Surgery (Urology)

HAYES E. MARTIN, Associate Professor of Clinical Surgery
GERVAIS W. McAULIFFE, Associate Professor of Clinical Surgery (Otolaryngology)
ALLISTER M. McLELLAN, Associate Professor of Clinical Surgery (Urology)
JAMES A. MOORE, Associate Professor of Clinical Surgery (Otolaryngology)
S. W. MOORE, Associate Professor of Clinical Surgery
WILLIAM F. NICKEL, Jr., Associate Professor of Clinical Surgery
WARD D. O'SULLIVAN, Associate Professor of Clinical Surgery
GEORGE T. PACK, Associate Professor of Clinical Surgery
HERBERT PARSONS, Associate Professor of Clinical Surgery (Neurosurgery)
ROBERT L. PATTERSON, Associate Professor of Clinical Surgery (Orthopedics)
RUSSEL H. PATTERSON, Associate Professor of Clinical Surgery
RICHMOND STEPHENS, Associate Professor of Clinical Surgery (Orthopedics)
LEE R. STRAUB, Associate Professor of Clinical Surgery (Orthopedics)
NORMAN TREVES, Associate Professor of Clinical Surgery
LEWIS C. WAGNER, Associate Professor of Clinical Surgery (Orthopedics)
JOHN P. WEST, Associate Professor of Clinical Surgery
WILLET F. WHITMORE, Jr., Associate Professor of Clinical Surgery
IRVIN BALENSWEIG, Assistant Professor of Clinical Surgery (Orthopedics)
STANLEY J. BEHRMAN, Assistant Professor of Clinical Surgery (Dental Surgery)
CHARLES BURSTEIN, Assistant Professor of Clinical Surgery (Anesthesiology)
JOHN R. COBB, Assistant Professor of Clinical Surgery (Orthopedics)
ARTHUR D. CONSOLE, Assistant Professor of Clinical Surgery (Neurosurgery)
WILLIAM COOPER, Assistant Professor of Clinical Surgery (Orthopedics)
HOWARD S. DUNBAR, Assistant Professor of Clinical Surgery (Neurosurgery)
EDWARD A. DUNLAP, III, Assistant Professor of Clinical Surgery (Ophthalmology)
JOHN T. ELLIS, Assistant Professor of Pathology in Surgery
HOLLON W. FARR, Assistant Professor of Clinical Surgery
JOSEPH H. FARROW, Assistant Professor of Clinical Surgery
GEORGE A. FIEDLER, Assistant Professor of Clinical Surgery (Urology)
EDGAR A. FRAZELL, Assistant Professor of Clinical Surgery
HAROLD GENVERT, Assistant Professor of Clinical Surgery
HELENA GILDER, Assistant Professor of Surgery (Biochemistry)
DAN M. GORDON, Assistant Professor of Clinical Surgery (Ophthalmology)
NORMAN L. HIGINBOTHAM, Assistant Professor of Clinical Surgery
JAMES M. HOLMAN, Assistant Professor of Clinical Surgery (Otolaryngology)
GEORGE R. HOLSWADE, Assistant Professor of Clinical Surgery
GUSTAVUS A. HUMPHREYS, Assistant Professor of Clinical Surgery (Urology)
D. REES JENSEN, Assistant Professor of Clinical Surgery
RICHARD C. KARL, Assistant Professor of Clinical Surgery
JOSEPH T. KAUER, Assistant Professor of Clinical Surgery
EDWARD B. C. KEEFER, Assistant Professor of Clinical Surgery
LUCILE LOSEKE, Assistant Professor of Clinical Surgery
BERNARD MAISEL, Assistant Professor of Clinical Surgery
BENJAMIN E. MARBURY, Assistant Professor of Clinical Surgery (Anesthesiology)
FRANK J. McGOWAN, Assistant Professor of Clinical Surgery
FREDERICK C. McLELLAN, Assistant Professor of Clinical Surgery (Urology)
GORDON P. McNEER, Assistant Professor of Clinical Surgery
LAURENCE MISCALL, Assistant Professor of Clinical Surgery
ALBERT J. PAQUIN, Jr., Assistant Professor of Clinical Surgery (Urology)
JOHN L. POOL, Assistant Professor of Clinical Surgery
ERIC C. RICHARDSON, Assistant Professor of Clinical Surgery (Ophthalmology)
PETER C. RIZZO, Assistant Professor of Clinical Surgery (Orthopedics)
JOHN G. SCHMIDT, Assistant Professor of Clinical Surgery
OLGA SCHWEIZER, Assistant Professor of Surgery (Anesthesiology)
STUART S. SNYDER, Assistant Professor of Clinical Surgery (Ophthalmology)
MAUS J. STEARNS, Jr., Assistant Professor of Clinical Surgery

JOHN E. SUTTON, Assistant Professor of Clinical Surgery
 RICHARD C. TROUTMAN, Assistant Professor of Clinical Surgery (Ophthalmology)
 FRANCIS P. TWINEM, Assistant Professor of Clinical Surgery (Urology)
 JOHN M. WALKER, Assistant Professor of Surgery
 WILLIAM L. WATSON, Assistant Professor of Clinical Surgery
 PHILIP D. WILSON, JR., Assistant Professor of Clinical Surgery (Orthopedics)

Research Associate: Jean Sedar

Instructors: Jacob Applebaum, William H. Ayres, Howard Balensweig, Irving Baras, Anne M. Belcher, Francis A. Beneventi, Robert J. Booher, Lemuel Bowden, Paul Boyan, Richard J. Brasfield, Paul W. Braunstein, Charles N. Breed, Jr., Stephen D. Breen, Mitchell Brice, Norman S. Buys, Robert J. Byers, William G. Cahan, Anthony Camarda, Thomas I. Carey, Daniel Catlin, Edward C. Coats, Elizabeth F. Constantine, Alexander Conte, Carleton M. Cornell, Marjorie Crews, William W. Daniel, Robert D. Deans, Ralph T. DiPace, J. Edwin Drew, Thomas J. Dring, Wade Duley, Frank W. Farrell, Austin I. Fink, Edgar P. Fleishmann, Joseph Fortner, Milton Gabel, Thomas J. Garrick, Anita H. Goulet, James L. Green, B. Herold Griffith*, Eugene J. Guenard, Charles K. Hamilton, James S. Harrison, Charles C. Harrold, Jr., Joseph P. Harvey, Bruce Heinzen, Alexander Hersh, Ralph E. L. Hertz, Arthur I. Holleb, Russell H. Hooker, David Horwich, Suzanne A. L. Howe, Frank H. Hynes, James T. Kelly, Otto C. Kestler, Jerome Lawrence, Benjamin Lewis, John S. Lewis, Francis Linder, Alfred E. Mamelok, Valentino D. Mazzia, Charles J. McPeak, Leopold Mehler, Theodore R. Miller, Oliver S. Moore, George C. Mueller, Juan Negrin, James A. Nicholas, Edward W. D. Norton, John B. Ogilvie, Earl A. O'Neill, Fremont C. Peck, George R. Prout, Stuart Quan, Guy F. Robbins, Morris Schnittman, Mieczyslaw Sierp, William L. Smith, Reuven K. Snyderman, David S. Speer, John F. Struve, Bjorn Thorbjarnarson, H. Randall Tollefsen, Marjorie J. Topkins, George K. Tweddel, Jr., Jerome A. Urban, George Wantz, Willis M. Weeden, Roy G. Wiggans, Jr., John R. Williams, Wilfred D. Wingeback, William I. Wolff, Robert B. Zufall

Lewis Cass Ledyard Fellow in Surgery: Peter Dineen

Assistants: David Barr, Paul Clapp, William Cooper, George N. Cornell, William L. Craver, Daniel W. Davis, Carl M. Ebersole, Francis J. Faddan, Jr., Thomas J. Ferraro, Edward A. Free, Frederick W. Fuller, J. Theodore Geiger, Edward I. Goldsmith, Peter M. Guida, Alexander Hersch, Malcolm R. Hill, Henry L. Hood, Walter B. Hoover, William A. Jamison, George Johnson, Jr., Ira H. Kaufman, Thomas C. Kerns, Jr., David C. Kripke, Jean-Charles Lavoie, Edward B. Leahy, Bernard Levine, Henry L. Mannix, Victor Mayer, John H. McGovern, Gerald J. Millstein, Alan M. Moodie, Arthur J. Okinaka, Charles Pearce, Walter L. Peretz, S. Frank Redo, Samuel I. Roland, Edward P. Ryan, Andrew Schildhaus, Lester Shultis, Paul Skudder, I. Robert Spier, Donald L. Weeks, John C. Whitsell, Arthur W. Wyker, Jr.

GENERAL SURGERY

SECOND YEAR: A course in introductory surgery is presented during the third term of the second year. This course is devoted to the principles of history taking and examination of surgical patients. Groups of five or six students are assigned to each instructor for two hours each week. Total hours, 22.

THIRD YEAR: Emphasis is placed, in the third year, on the principles in diagnosis and the management of ambulatory patients and the

*On leave of absence.

surgical specialties. In the third year the students spend one term in the outpatient departments of general surgery and the surgical specialties. In the diagnostic clinic of general surgery, the students are assigned to new patients and obtain complete history and physical examinations. Differential diagnoses, diagnostic procedures, and therapy are formulated in conference with an attending surgeon. Patients are seen on return visits in order that progress and study of the results of diagnostic procedures may be determined and the subsequent course of the patient outlined in consultation with a staff member. In the minor surgical clinic, as much responsibility as possible is given to the students in the treatment of infections, removal of sutures, and dressing of wounds under the supervision of the surgical instructor. Students are assigned in rotation to the orthopedic, urologic, fracture, ENT, and ophthalmological clinics where they receive instruction in diagnosis and therapy in these surgical specialties. In addition to these clinic activities, a course in operative surgery on animals occupies one morning each week. A team of four students is responsible for the anesthesia and for the performance of a group of classical operative procedures. The course is designed to emphasize the fundamental principles of operative surgery. Lectures are given three times weekly for the entire group at which time selected topics are presented and discussed. A surgical clinic at the noon hour is held once weekly by the Professor of Surgery. A weekly clinical pathological conference is held for both third and fourth year students. Total hours, 330.

FOURTH YEAR: The fourth year assignment in Surgery is devoted to a clinical clerkship on the Surgical Pavilions. The student participates in the management of patients by obtaining a complete history and performing physical examinations and laboratory determinations with the opportunity of participating in the differential diagnosis and the pre-operative preparation and of being a member of the operating team in the operating room. The student follows the course of the patient after the operation and attends rounds on the Pavilions daily where the problems in management are discussed. A weekly conference is held with a surgical staff member to discuss problems of diagnosis, and the student participation is emphasized. Each week a symposium is conducted by a moderator from the surgical staff where the students present an analysis of the literature of recent advances in surgery. A surgical pathology conference is conducted weekly at which time gross and pathological findings are analyzed from patients from the Surgical Pavilions. Conferences are conducted at noon, four times weekly, in general surgery or one of the specialties including neurosurgery, thoracic surgery, plastic surgery, or anesthesiology. Members of both the third and fourth year classes attend the surgical grand rounds held each Saturday morning. Total hours, 264.

SPECIAL STUDENTS

ALL STUDENTS not registered in Cornell University Graduate School and not registered for the M.D. degree are SPECIAL STUDENTS. These are SPECIAL STUDENTS in the true sense of the word and must be especially qualified in preparation, ability, and objective in order to receive any consideration. They may or may not be graduate students in the sense of having completed work for a collegiate degree. They are admitted *only by the consent of the head of the department* and must be registered in the Administration Office of the Medical College and must pay their fees at the Business Office before being admitted to lectures or laboratory periods. They are required to carry and show on demand of the authorities a permit of attendance.

FEES

Matriculation Fee	\$10
Administration Fee	\$ 5

Tuition fees vary depending upon the type of work taken.
A breakage fee may be required.

TABLE OF REQUIRED HOURS

	<i>First Year</i>	<i>Second Year</i>	<i>Third Year</i>	<i>Fourth Year</i>	<i>Total</i>
ANATOMY:					
GROSS ANAT. OF THE HUMAN BODY	374				
HISTOLOGY AND EMBRYOLOGY	180				
NEUROANATOMY	84				638
BIOCHEMISTRY	220				220
MICROBIOLOGY & IMMUN.	55	99			154
PHYSIOLOGY	110	121			231
PATHOLOGY		308			308
PHARMACOLOGY		143			143
MEDICINE:					
PHYSICAL DIAGNOSIS		121			
CLINICAL PATHOLOGY		77			
NEUROLOGY		33			
SPECIALTIES, CLERKSHIP & OPD . .			297	264	
LECTURES		22	33		847
MEDICAL COMPREHENSIVE CARE* . .				310	
SURGERY:					
OPHTHALMOLOGY		22			
INTRODUCTORY SURGERY		22			
SPECIALTIES, CLERKSHIP & OPD... .			297	264	
LECTURES			33		638
OBSTETRICS AND GYNECOLOGY:					
PRACTICAL INSTRUCTION			66	264	
LECTURES			66		396
PEDIATRICS:					
PRACTICAL INSTRUCTION			132	66	
LECTURES			33		231
PSYCHIATRY:					
PSYCHOBIOLOGY	22				
PSYCHIATRY		33	33	66	
LECTURES				33	187
PUBLIC HEALTH:					
PARASITOLOGY		33			
FIELD AND SECTION		22	33		
LECTURES		11	33		132
CONTAGIOUS DISEASES			18		18
RADIOLOGY		11		20	31
ELECTIVE HOURS				(264)	
Totals	1045	1078	1074	1287	4484

*The Medical Comprehensive Care Program is a joint project of all clinical departments and the department of public health. In addition to the 310 hours not assigned to any one department, this program embraces the assigned fourth year curricular hours of medicine and pediatrics and part of those of psychiatry.

() Elective time not included in totals.

FIRST YEAR SCHEDULE 1955-1956

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Histology	Anatomy	Anatomy	Anatomy	Anatomy	Anatomy
10-11						
11-12						
12-1						
1-2	Biochemistry	Histology	Free	Biochemistry	Biochemistry	
2-3	Anatomy			Histology	Histology	
3-4						
4-5						

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday			
9-10	Neuro-anatomy	Histology	Anatomy	Neuro-anatomy		Neuro-anatomy* Histology			
10-11									
11-12									
12-1									
1-2	Biochemistry	Anatomy	Free	Biochemistry	Biochemistry				
2-3	Anatomy			Anatomy	Anatomy				
3-4									
4-5									

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Biochemistry	Physiology	Biochemistry	Physiology	Biochemistry	Physiology
10-11						
11-12				Microbiology		
12-1				Psychiatry		Psychiatry
1-2						
2-3	Microbiology	Physiology	Free	Microbiology	Biochemistry	
3-4						
4-5						

*Five sessions histology and 6 neuroanatomy.

SECOND YEAR SCHEDULE

1955-1956

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Pharmacology	Physiology	Physiology	Pharmacology	Physiology	Physiology
10-11			Microbiology		Pharmacology	
11-12					Microbiology	
12-1						
1-2						
2-3						
3-4	Microbiology	Physiology	Free	Parasitology	Microbiology	
4-5						

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Pathology	Pathology	Pathology	Pathology	Pathology	Pathology
10-11						
11-12						
12-1						
1-2			Free			
2-3	Public Health	Physical Diagnosis		Physical Diagnosis	Psychiatry	
3-4						
4-5						

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Physical Diag. "A" Neurol. Diag. IV Intro. Surg. III	Pathology	Physical Diag. "B" Neurol. Diag. I Intro. Surg. II	Physical Diag. "A" Neurol. Diag. III Intro. Surg. IV	Physical Diag. "B" Neurol. Diag. II Intro. Surg. I	Pathology
10-11						
11-12						
12-1	Appl. Pharm.	Appl. Pharm.	Introductory Medicine	Neurology	Introductory Medicine	
1-2						
2-3	Ophthalmology	Clinical Pathology	Free		Clinical Pathology	
3-4	Clinical Pathology					
4-5				Radiology	Ophthalmology	

THIRD YEAR SCHEDULE 1955-1956

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Group A: Medicine (1); Ob-Gyn., Ped., Psych., Pb. Hl. (2); Surgery (3) Group B: Surgery (1); Medicine (2); Ob.-Gyn., Ped., Psych., Pb.Hl. (3). Group C: Ob.-Gyn., Ped., Psych., Pb.-Hl. (1); Surgery (2); Medicine (3).					
10-11						
11-12						
12-1	Pediatrics	Ob-Gyn.	Surgery	Medicine	Pb. Hl.	Ob.-Gyn.
1-2						
2-3						
3-4						
4-5	C.P.C.		Free			

DETAILED SCHEDULE—HALF TERM (5½ WEEKS) PEDIATRICS

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Ob.-Gyn.	Pediatrics				
10-11						
11-12						
12-1	Pediatrics	Ob.-Gyn.	Surgery	Medicine	Pb.-Hl.	Ob.-Gyn.
1-2						
2-3						
3-4	Pediatrics	Pediatrics	Free	Pediatrics		
4-5	C.P.C.					

DETAILED SCHEDULE—HALF TERM (5½ WEEKS) OBSTETRICS AND GYNECOLOGY, PSYCHIATRY, PUBLIC HEALTH, CONTAGIOUS DISEASES

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Ob.-Gyn.	Ob.-Gyn.	Contag. Diseases	Ob.-Gyn.	Pb. Hl.	Free
10-11						
11-12						
12-1	Pediatrics	Ob.-Gyn.	Surgery	Medicine	Pb. Hl.	Ob.-Gyn.
1-2						
2-3						
3-4		Psychiatry	Free	Psychiatry	Pb. Hl.	
4-5	C.P.C.					

FOURTH YEAR SCHEDULE

1955-1956

TWO SEMESTERS (SIX DIVISIONS) 22½ WEEKS EACH
JUNE 20 to MAY 25

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-1	<i>1st Semester</i> Section I Medical Comprehensive Care Section II { D Elec. (1); Ob.-Gyn. (2); Surg. (3). E Surg. (1); Elec. (2); Ob.-Gyn. (3). F Ob.-Gyn. (1); Surg. (2); Elec. (3). }			<i>2nd Semester</i> { A Elec. (1); Ob.-Gyn. (2); Surg. (3). B Surg. (1); Elec. (2); Ob.-Gyn. (3). C Ob.-Gyn. (1); Surg. (2); Elec. (3). Medical Comprehensive Care		
1-2						
2-3			Psychiatry			
3-4						
4-5	C.P.C.		Special Lect.			

DETAILED SCHEDULE
MEDICAL COMPREHENSIVE CARE

Morning:	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Group I { A B	Pediatrics Medicine	Medicine Pediatrics	Pediatrics Medicine	<i>All Groups</i> (9:00-10:00) Lecture (10:00-11:30) Medical Grand Rounds (12:00-1:00) Radiology	Medicine Pediatrics	<i>All Groups</i> Special Conference
II { C D	Seminar Sp'ty Elec.	Sp'ty Elec. Seminar	Seminar Medicine S		Sp'ty Elec. Seminar	
Afternoon:						
I { A B	{ Seminar Pediatrics Sp'ty Elec.	Sp'ty Elec. Seminar	<i>All Groups</i> (2:00-3:00) Psychiatry (3:00-4:00)	Seminar Sp'ty Elec.	Sp'ty Elec.	{ Seminar Pediatrics Medicine Psychiatry (4:00-5:00) <i>All Groups</i> Pediatric Grand Rounds
II { C D	Psychiatry Medicine	Medicine Psychiatry	Com.Care Conf (4:00-5:00) Special Lecture	Psychiatry Medicine		

Groups I and II switch at the end of eleven weeks.

SLOAN-KETTERING DIVISION OF CORNELL UNIVERSITY MEDICAL COLLEGE

BY AGREEMENT dated June 16, 1950, between Cornell University, Sloan-Kettering Institute for Cancer Research, Memorial Center for Cancer and Allied Diseases, and the Society of the New York Hospital, a graduate division of Cornell University Medical College was established to be known as the Sloan-Kettering Division of Cornell University Medical College.

While each party to the above agreement continues under control and management of its respective Board of Trustees or Managers, there is established a Coordinating Board of eight members, of which two shall be chosen by each of the parties to this agreement. This Board will act as a clearing house of information and as a coordinator of those functions in which all of the parties to this agreement are interested and will make recommendations to the respective Boards of the parties to the agreement.

The Coordinating Board of the Sloan-Kettering Division of Cornell University Medical College consists at present of the following members:

Representatives of Memorial Center

Reginald G. Coombe

Nicholas T. Noyes

Representatives of Sloan-Kettering Institute

Frank A. Howard

Raymond P. Sloan

Representatives of Cornell University

Arthur H. Dean, Chairman of the Executive Committee of the Board of Trustees
Deane W. Malott, President of the University.

Representatives of the Society of the New York Hospital

John Hay Whitney

Henry S. Sturgis

FACULTY

PROFESSORS

OSCAR BODANSKY, *Professor of Biochemistry*. Attending Clinical Biochemist, Memorial Hospital. (A.B. 1921, Ph.D. 1925, Columbia; M.D. 1938, University of Chicago. [1946; 1951])

GEORGE B. BROWN, *Professor of Biochemistry*. (B.S. 1934, Illinois Wesleyan; M.S. 1936, Ph.D. 1938, University of Illinois. [1939; 1951])

EMERSON DAY, *Professor of Preventive Medicine*. Director, Strang Cancer Clinic. (B.S. 1934, Dartmouth; M.D. 1938, Harvard. [1947; 1954])

- THOMAS F. GALLAGHER, *Professor of Biochemistry*. (A.B. 1927, Fordham University; Ph.D. 1931, University of Chicago. [1951])
- JOHN S. LAUGHLIN, *Professor of Biophysics*. Attending Physicist, Memorial Hospital. (A.B. 1940, Willamette University; M.S. 1942, Haverford College; Ph.D. 1947, University of Illinois. [1952; 1955])
- CORNELIUS P. RHOADS, *Professor of Pathology*. Scientific Director, Memorial Center for Cancer and Allied Diseases. (A.B. 1920, Bowdoin; M.D. 1924, Harvard. [1941])
- FRED W. STEWART, *Professor of Pathology*. Attending Pathologist, Memorial Hospital; Attending Pathologist, New York Hospital. (A.B. 1916, Ph.D. 1919, Cornell; M.D. 1924, Harvard. [1928; 1949])
- C. CHESTER STOCK, *Professor of Biochemistry*. (B.S. 1932, Rose Polytechnic Institute; Ph.D. 1937, Johns Hopkins University; M.S. 1941, New York University. [1951])
- GEORGE W. WOOLLEY, *Professor of Biology*. (B.S. 1930, Iowa State College; M.S. 1931, Ph.D. 1935, University of Wisconsin. [1951])

ASSOCIATE PROFESSORS

- AARON BENDICH, *Associate Professor of Biochemistry*. (B.S. 1939, College of the City of New York; Ph.D. 1946, Columbia University. [1952; 1953])
- HAROLD BEYER, *Associate Professor of Biophysics*. (A.B. 1934, Ph.D. 1943, Columbia University. [1951])
- JOHN J. BIESELE, *Associate Professor of Biology*. (A.B. 1939, Ph.D. 1942, University of Texas. [1950; 1952])
- LIEBE F. CAVALIERI, *Associate Professor of Biochemistry*. (B.S. 1943, M.S. 1944, Ph.D. 1945, University of Pennsylvania. [1952; 1953])
- DONALD A. CLARKE, *Associate Professor of Pharmacology*. (B.S. 1937, Philadelphia College of Pharmacy and Science; M.A. 1946, Ph.D. 1950, Cornell. [1952; 1955])
- FRANK W. FOOTE, JR., *Associate Professor of Pathology*. Attending Pathologist, Memorial Hospital; Associate Attending Pathologist, New York Hospital. (A.B. 1931, M.D. 1935, University of Virginia. [1949])
- ALICE E. MOORE, *Associate Professor of Biology*. (A.B. 1930, A.M. 1935, Ohio State University; M.D. 1942, New York University College of Medicine. [1951])
- MARY L. PETERMANN, *Associate Professor of Biochemistry*. (A.B. 1929, Smith College; Ph.D. 1939, University of Wisconsin. [1951])
- FREDERICK S. PHILIPS, *Associate Professor of Pharmacology*. (B.S. 1936, Columbia; Ph.D. 1940, Rochester. [1948; 1951])
- DONALD W. VISSER, *Visiting Associate Professor of Biochemistry*. (A.B. 1937, Hope College; M.S. 1939, Syracuse University; Ph.D. 1947, University of Colorado. [1955])

ASSISTANT PROFESSORS

- GENEVIEVE BADER, *Assistant Professor of Preventive Medicine*. Assistant Attending Physician, Strang Cancer Prevention Clinic. (A.B. 1940, Barnard; M.D. 1943, New York University College of Medicine. [1954])
- M. EARL BALIS, *Assistant Professor of Biochemistry*. (A.B. 1943, Temple University; M.S. 1947, Ph.D. 1949, University of Pennsylvania. [1952; 1953])
- RALPH K. BARCLAY, *Assistant Professor of Biochemistry*. (B.S. 1938, University of Illinois; Ph.D. 1949, Iowa State College. [1953])
- A. R. T. DENUES, *Assistant Professor of Biology*. (B.E. 1935, M.G.E. 1937, Johns Hopkins; Ph.D. 1939, University of Maryland. [1952; 1954])
- DAVID K. FUKUSHIMA, *Assistant Professor of Biochemistry*. (A.B. 1939, Whittier College; A.M. 1943, University of California at Los Angeles; Ph.D. 1946, University of Rochester. [1952])

- DORRIS J. HUTCHISON, *Assistant Professor of Microbiology*. (B.S. 1940, Western Kentucky State; M.S. 1943, University of Kentucky; Ph.D. 1949, Rutgers. [1952; 1954])
- LEONHARD KORNGOLD, *Assistant Professor of Biochemistry*. (A.B. 1947, Brooklyn College; M.S. 1948, Ph.D. 1950, Ohio State University. [1955])
- LEOPOLD G. KOSS, *Assistant Professor of Pathology*. Assistant Attending Pathologist, Memorial Hospital. (M.D. 1946, University of Berne. [1954])
- ROBERT C. MELLORS, *Assistant Professor of Pathology*. Assistant Attending Pathologist, Memorial Hospital. (A.B. 1937, A.M. 1938, Ph.D. 1940, Western Reserve University; M.D. 1944, Johns Hopkins University. [1952])
- WILLIAM L. MONEY, *Assistant Professor of Biology*. (A.B. 1943, Brown University; Ph.D. 1947, Harvard University. [1949; 1951])
- MAURICE M. RAPPORT, *Assistant Professor of Biochemistry*. (B.S. 1940, City College of New York; Ph.D. 1945, California Institute of Technology. [1955])
- H. CHRISTINE REILLY, *Assistant Professor of Microbiology*. (B.S. 1941, New Jersey College for Women; Ph.D. 1946, Rutgers University. [1952])
- STEPHEN S. STERNBERG, *Assistant Professor of Pathology*. Assistant Attending Pathologist, Memorial Hospital. (A.B. 1941, Colby College; M.D. 1944, New York University College of Medicine. [1952; 1955])
- HELENE W. TOOLAN, *Assistant Professor of Pathology*. (B.S. 1929, University of Chicago; Ph.D. 1946, Cornell University Medical College. [1952])
- LOUIS VENET, *Assistant Professor of Preventive Medicine*. Associate Director Strang Cancer Prevention Clinic. (B.S. 1933, M.D. 1937, New York University. [1954])
- HELEN Q. WOODARD, *Assistant Professor of Biochemistry*. Associate Attending Biochemist, Memorial Hospital. (B.S. 1920, Stetson University; Ph.D. 1925, Columbia University. [1952])
- ERNEST L. WYNDER, *Assistant Professor of Preventive Medicine*. Clinical Assistant in Medicine, Memorial Hospital. (A.B. 1943, New York University; M.D. 1950, Washington University. [1954])
- SAI-HOU YING, *Assistant Professor of Preventive Medicine*. (B.S. 1931, Soochow; M.D. 1935, National Medical College of Shanghai. [1954])

EDUCATIONAL PLAN OF INSTRUCTION

The facilities of the Sloan-Kettering Graduate Division consist of a thirteen story laboratory unit (Sloan-Kettering Institute) in direct connection with two hospitals—Memorial Hospital, a voluntary institution of 280 beds, and the James Ewing Hospital, a unit of the New York City hospital system with 270 beds. The Strang Clinic, another building in the unit, houses the work in preventive medicine in cancer.

The type of training offered in this Division of the Medical College is primarily for candidates who are working toward an advanced degree. The plan of organization for teaching and research affords ample opportunities for direct participation in investigative work on cancer and allied diseases in recognized divisions of the physical and biological sciences but not in any of the clinical fields such as medicine, pediatrics, and surgery. In addition to the conventional disciplines of biochemistry, biophysics, and pathology, a new department has been organized under the heading of "Biology and Growth." This department presents lectures and laboratory work in the field of normal and neoplastic growth, which do not fall in the usual curricular divisions.

BIOCHEMISTRY

OSCAR BODANSKY, Professor of Biochemistry
GEORGE B. BROWN, Professor of Biochemistry
THOMAS F. GALLAGHER, Professor of Biochemistry
AARON BENDICH, Associate Professor of Biochemistry
LIEBE F. CAVALIERI, Associate Professor of Biochemistry
MARY L. PETERMANN, Associate Professor of Biochemistry
DONALD W. VISSER, Visiting Associate Professor of Biochemistry
M. EARL BALIS, Assistant Professor of Biochemistry
DAVID K. FUKUSHIMA, Assistant Professor of Biochemistry
LEONHARD KORNGOLD, Assistant Professor of Biochemistry
MAURICE M. RAPPORT, Assistant Professor of Biochemistry
HELEN Q. WOODARD, Assistant Professor of Biochemistry

Research Associates: H. Leon Bradlow, Robert S. Rosenfeld, Ivan I. Salamon, Malcolm Siegel

Instructor: Morton K. Schwartz

Research Fellow: Gilbert Goldstein

ELECTIVE COURSES

Special work may be undertaken in the fields of electrolyte metabolism, enzymology, immunochemistry, protein and nucleoprotein chemistry and metabolism, and the chemistry and metabolism of steroids by arrangement with the appropriate member of the department.

BIOLOGY AND GROWTH

CORNELIUS P. RHOADS, Professor of Pathology
C. CHESTER STOCK, Professor of Biochemistry
GEORGE W. WOOLLEY, Professor of Biology
JOHN J. BIESELE, Associate Professor of Biology
DONALD A. CLARKE, Associate Professor of Pharmacology
ALICE E. MOORE, Associate Professor of Biology
FREDERICK S. PHILIPS, Associate Professor of Pharmacology
RALPH K. BARCLAY, Assistant Professor of Biochemistry
A. R. T. DENUES, Assistant Professor of Biology
DORRIS J. HUTCHISON, Assistant Professor of Microbiology
ROBERT C. MELLORS, Assistant Professor of Pathology
WILLIAM L. MONEY, Assistant Professor of Biology
H. CHRISTINE REILLY, Assistant Professor of Microbiology
HELENE W. TOOLAN, Assistant Professor of Pathology

Research Associates: Charlotte Friend (Microbiology), Leonard D. Hamilton (Biology), Morris Teller (Biology)

Instructor: Jean Scholler (Pharmacology)

ELECTIVE COURSES

Investigative facilities are available for studies in pharmacology, microbiology, endocrinology, genetics, and virology as related to the initiation and growth of various types of cancer. Training will be given in the special procedures used in experimental cancer chemotherapy. Arrangements for the desired type of work may be made with the appropriate member of the department.

BIOPHYSICS

JOHN S. LAUGHLIN, Professor of Biophysics

HAROLD BEYER, Associate Professor of Biophysics

Research Associates: Mones Berman, Theodore Hall, Jacques Ovadia

Instructors: Mary Meurk, Gerald Shapiro

ELECTIVE COURSES

Facilities are available for training in radiologic physics (including high energy phenomena), radiobiology, tracer work (stable and radioactive), radioautography, soft X-ray absorption, electronics, and theory and practice of radiation detection. Arrangements may be made with the department head.

PATHOLOGY

FRED W. STEWART, Professor of Pathology.

FRANK W. FOOTE, JR., Associate Professor of Pathology

LEOPOLD G. KOSS, Assistant Professor of Pathology

STEPHEN S. STERNBERG, Assistant Professor of Pathology

Instructor: Thomas Simon

ELECTIVE COURSES

Fourth year medical students are accepted for elective work in tumor pathology for periods of one month or longer at any time through special arrangement. Such students are assigned to a graduate Fellow in pathology who will serve as tutor. They shall observe and assist at autopsies and examination of gross surgical specimens, and microscopic diagnosis; they shall attend weekly clinicopathologic conferences and departmental conferences. Formal lectures are not offered. A microscope is required.

PREVENTIVE MEDICINE

EMERSON DAY, Professor of Preventive Medicine

GENEVIEVE M. BADER, Assistant Professor of Preventive Medicine

LOUIS VENET, Assistant Professor of Preventive Medicine

ERNEST L. WYNDER, Assistant Professor of Preventive Medicine

SAI-HOU YING, Assistant Professor of Preventive Medicine

Research Associates: Walter O'Donnell, Thomas Zimmer

ELECTIVE COURSES

An elective course in methods of cancer detection for fourth year students is available by arrangement with the department head. Experience is offered in general and special examination procedures, including proctosigmoidoscopy and the clinical application of cytological techniques. Two students can be accepted for periods of one month or longer.

The department offers opportunities for research in early cancer and precancer, cytology, and the epidemiology of cancer. Special studies in these fields can be arranged with the department head.

INTERNSHIP APPOINTMENTS

CLASS OF 1955

DOCTORS OF MEDICINE, JUNE 8, 1955

John Vincent Abbott, Jr.	Bronx Municipal Hospital, New York N.Y.
Ronald Alfred Arky	Bellevue Hospital, New York, N.Y.
Thane Asch	Lenox Hill Hospital, New York, N.Y.
Robert Coleman Atkins	Strong Memorial Hospital, Rochester, N.Y.
William Sinclair Augerson	Army (Brooke), San Antonio, Tex.
Stephen McClintock Ayres	New York Hospital, New York, N.Y.
David Baum	Kings County Hospital, Brooklyn, N.Y.
Robert Leonard Beals	Presbyterian Hospital, New York, N.Y.
Edwin Lawrence Bierman	New York Hospital, New York, N.Y.
Robert Sunderlin Brittain	Rochester General Hospital, Rochester, N.Y.
John Lyman Brown, Jr.	Peter Bent Brigham Hospital, Boston, Mass.
Joseph Anthony Buda	Presbyterian Hospital, New York, N.Y.
Donald John Cameron	Bellevue Hospital, New York, N.Y.
John Paul Clayton	University of California Hospital, San Francisco, Calif.
Joseph Patrick Dineen	New York Hospital, New York, N.Y.
Kemp Berner Doersch	Los Angeles County Hospital, Los Angeles, Calif.
Richard Irwin Dudley	Bellevue Hospital, New York, N.Y.
Maurice Everett Dyer	University Hospitals, Oklahoma City, Okla.
Chester Monroe Edelmann, Jr.	New York Hospital, New York, N.Y.
Robert Richard Engisch	Mary Imogene Bassett Hospital, Cooperstown, N.Y.
Howard Marvin Feinstein	Buffalo General Hospital, Buffalo N.Y.
Terence Patrick Fogarty	Colorado General Hospital, Denver, Colo.
Charles Frederick Frey	New York Hospital, New York, N.Y.
Sorrell Newton Glover	New York Hospital, New York, N.Y.
Stanley Martin Hanfling	Kings County Hospital, Brooklyn, N.Y.
Paul Allen Hansch	Lenox Hill Hospital, New York, N.Y.
Maury Lloyd Hanson	New York Hospital, New York, N.Y.
William Hillis	University Hospitals, Cleveland, Ohio
Charles Hoffman, Jr.	Lenox Hill Hospital, New York, N.Y.
Milton Hollenberg	Bellevue Hospital, New York, N.Y.
Charles Edward Hollerman	York Hospital, York, Pa.
William Donald Horrigan	St. Luke's Hospital, New York, N.Y.
Gilbert Dolan Huebner	Army (Walter Reed), Washington, D.C.
Reginald Harned Isele	Lenox Hill Hospital, New York, N.Y.
Martin George Jacobs	University of Chicago Clinics, Chicago, Ill.
Kenneth Myron Jensen	Bellevue Hospital, New York, N.Y.
Joseph Eugene Johnston	Univ. of Texas Med. Branch Hospitals, Galveston, Tex.
Hiram Kendall, Jr.	Mary Hitchcock Memorial Hospital, Hanover, N.H.
Kent Gordon Kimball	New York Hospital, New York, N.Y.
Peter Tamas Knopfler	Hospital, Brazil, South America
Joseph White Landau	Buffalo General Hospital, Buffalo, N.Y.
John Beucler Lange	Henry Ford Hospital, Detroit, Mich.

Richard Charles Lippincott	Navy (St. Albans), New York, N.Y.
Richard Rowland Lower	King County Hospital, Seattle, Wash.
Lester Andrus Ludlow	Cincinnati General Hospital, Cincinnati, Ohio
Herman Richard Matern	Henry Ford Hospital, Detroit, Mich.
Robert Burnett McGandy	Public Health Service (Staten Island), New York, N.Y.
Lowell Gilmore McLellan	Mary Imogene Bassett Hospital, Cooperstown, N.Y.
Gunter Richard Meng	State University Medical Center, Syracuse, N.Y.
Walter Alexander Murray, Jr.	Cincinnati General Hospital, Cincinnati, Ohio
William Alexander Neill	New York Hospital, New York, N.Y.
James Franklin Oates, III	Peter Bent Brigham Hospital, Boston, Mass.
Artemis George Pazianos	New York Hospital, New York, N.Y.
John Henry Per-Lee	University of Virginia Hospital, Charlottesville, Va.
Franklin Hewitt Pfeifferberger	New York Hospital, New York, N.Y.
John Greenwood Pierik	Rhode Island Hospital, Providence, R.I.
Guy Downs Plunkett	Buffalo General Hospital, Buffalo, N.Y.
James William Preuss	New York Hospital, New York, N.Y.
John Vincent Price	Brooklyn Hospital, Brooklyn, N.Y.
Cedric Joseph Priebe, Jr.	Roosevelt Hospital, New York, N.Y.
Brian O'Malley Quinn	Albany Hospital, Albany, N.Y.
Donald Paul Regula	Ellis Hospital, Schenectady, N.Y.
Robert Edward Rentz	Hartford Hospital, Hartford, Conn.
Roland Whan Richmond	Army (Tripler), Honolulu, Hawaii
Ronald Stanley Romig	Reading Hospital, Reading, Pa.
John Ross, Jr.	Johns Hopkins Hospital, Baltimore, Md.
Leslie Eugene Rudolf, Jr.	Peter Bent Brigham Hospital, Boston, Mass.
Steven Schenker	Boston City Hospital, Boston, Mass.
Miles Harold Sigler	State University Medical Center, Syracuse, N.Y.
John Harrison Sipple, Jr.	State University Medical Center, Syracuse, N.Y.
Herbert Jarvis Sorensen	Ellis Hospital, Schenectady, N.Y.
Frank George Standaert	Johns Hopkins Hospital, Baltimore, Md.
Paul Stucki, Jr.	Maine General Hospital, Portland, Me.
John Bernard Sullivan	Buffalo General Hospital, Buffalo, N.Y.
Frederick Gregg Thompson, III	New York Hospital, New York, N.Y.
William Richard Thompson	Rhode Island Hospital, Providence, R.I.
Forrest Travis Tutor	Duke Hospital, Durham, N.C.
William Webb Van Stone	Mary Hitchcock Memorial Hospital, Hanover, N.H.
Herbert Getty Vaughan, Jr.	Bronx Municipal Hospital, New York, N.Y.
Frank James Veith	Presbyterian Hospital, New York, N.Y.
Jane Harrison Walker	Bellevue Hospital, New York, N.Y.
Willard Travell Weeks	Maine General Hospital, Portland, Me.
Morton Raymond Weinstein	University of California Hospital, San Francisco, Calif.
David Sanborn Wilcox	Mary Hitchcock Memorial Hospital, Hanover, N.H.
Edward Percy Williams	Kings County Hospital, Brooklyn, N.Y.

REGISTER OF STUDENTS, 1955-1956

FOURTH YEAR

Robert Richard Abel, A.B. 1952, Princeton University	Elizabeth, N.J.
Donald Elliott Allen, B.S. 1952, Ohio State University	Lafayette, Ind.
Richard Allen Antell, A.B. 1952, Cornell University	New York, N.Y.
William Henry Austin, A.B. 1952, Bowdoin College	Cape Elizabeth, Me.
Archibald Hildreth Beard, Jr., A.B. 1952, Williams College	Wayzata, Minn.
Charles Henry Beckmann, B.S. 1952, Massachusetts Institute of Technology	St. Albans, N.Y.
Eliliott Elias Blinderman, B.S. 1952 College of the City of New York	Brooklyn, N.Y.
Dana Charles Brooks, B.E.E. 1949, Cornell University	Orlando, Florida
Bertram S. Brown, B.S. 1952, Brooklyn College	Brooklyn, N.Y.
Harry Martin Butler, Jr., A.B. 1952, Denison University	Newark, Ohio
Clarence Elton Cahow, Jr., B.S. 1952, Davidson College	Fort Pierce, Florida
Paul Daniel Carter, B.S. 1952, Wheaton College	Plainfield, N.J.
Philip Kenneth Carter, Jr., A.B. Wheaton College	Plainfield, N.J.
Jay Norman Cohn, B.S. 1952, Union College	New York, N.Y.
Thomas William Cook, A.B. 1952, Princeton University	Westfield, N.J.
William Charles Cooper, B.S. 1953, Franklin & Marshall College,	Eric, Pa.
Charles Eugene Davis, B.S. 1952, Arizona State College	Miami, Arizona
Lee Washington Davis, A.B. 1952, Amherst College	Summit, N.J.
John Whitlow Delano, B.S. 1952, Rutgers University	Mountainside, N.J.
H. Bruce Denson, A.B. 1953, Cornell University	Hackensack, N.J.
Herbert Alban Dietzel, A.B. 1952, Colgate University	Lakewood, N.J.
Ronald Joseph Dorris, A.B. 1952, Harvard University	New York, N.Y.
John Wilson Espy, B.S. 1953, Franklin & Marshall College	Brookville, Pa.
Robert Slora Fackler, A.B. 1952, University of Rochester	Oak Park, Ill.
William Rush Fackler, A.B. 1952, University of Rochester	Oak Park, Ill.
Donald Peter Feeney, B.S. 1952, College of the Holy Cross	Brooklyn, N.Y.
Frank Bartley Flood, B.S. 1952, Manhattan College	Forest Hills, N.Y.
R. Newell Ford, B.S. 1952, University of Utah	Farmington, Utah
John Christian Frank, B.S. 1952, University of Arizona	Phoenix, Ariz.
Ivan B. Gendzel, A.B. 1952, Cornell University	New York, N.Y.
Phillip George, A.B. 1953, University of Mississippi	Vicksburg, Miss.
Sidney Goldstein, A.B. 1952, Cornell University	Utica, N.Y.
Jack Goodman, A.B. 1952, American International College	Springfield, Mass.
Joseph Grayzel, A.B. 1952, Cornell University	Brooklyn, N.Y.
David Bruce Hayt, A.B. 1952, Cornell University	Great Neck, N.Y.
Warren Herbert Higgins, Jr., A.B. 1952, Yale University	Phoenix, Ariz.
Robert James Hubsmith, A.B. 1952, Cornell University	Passaic, N.J.
David McClure Iszard, A.B. 1952, Bowdoin College	Elmira, N.Y.
Jerome Lee Jacobs, B.S. 1952, Queens College	New York, N.Y.
Ramon Rafael Joseph, B.S. 1952, Manhattan College	San Juan, P.R.
Albert Zaven Kapikian, B.S. 1952, Queens College	Flushing, N.Y.
James Sanford Ketchum, A.B. 1952, Columbia University	New York, N.Y.
Donaldson Wright Kingsley, Jr., A.B. 1952, Cornell University	Hastings, Nebr.

- Stanley Joshua Landau, A.B. 1953, Cornell University
 Arthur Maurice Levy, A.B. 1952, Harvard University
 William G. Loomis, A.B. 1953, Dartmouth College
 David Beekley Lyon, A.B. 1952, University of Mississippi
 Sherburne Merrill Macfarlan, A.B. 1952, Lafayette College
 Donald Fred Mahnke, B.S. 1952, University of Wyoming
 Edward Joseph Margulies, B.S. 1952, Massachusetts Institute of Technology
 James Hamilton Mason, A.B. 1952, DePauw University
 Richard Key Mead, A.B. 1952, Haverford College
 Mitchell Mills, A.B. 1952, Princeton University
 Frank G. Moody, A.B. 1953, Dartmouth College
 Mildred Downs Moore, A.B. 1950, Barnard College; M.A. 1952, Mount Holyoke College
 Robert Roland Morgan, B.S. 1952, St. John's College
 William Alfred Morgan, Jr., A.B. 1952, Cornell University
 Burton Albert Nault, A.B. 1952, Bowdoin College
 Mary Alice Newhall, A.B. 1952, Cornell University
 Joseph Oren, A.B. 1953, Cornell University
 George E. Owen, A.B. 1953, University of Missouri
 Carl Black Pollock, Jr., A.B. 1952, Cornell University
 John Henry Prunier, A.B. 1952, Colgate University
 William Mitchell Reid, Jr., A.B. 1952, New York University
 Donald Jeffrey Reis, A.B. 1953, Cornell University
 Nancy Bernadine Ripley, A.B. 1951, Cornell University
 Abdolhossein Ebtehaj Samiy, B.A. 1950, Stanford University
 Stuart Norman Scherr, A.B. 1952, Oberlin College
 Paul Schlein, A.B. 1952, Cornell University
 David Schottenfeld, A.B. 1952, Hamilton College
 George Charles Schussler, B.S. 1952, City College of New York
 Eugene Joseph Segre, A.B. 1953, Cornell University
 Anne Margaret Shuttleworth, A.B. 1953, Cornell University
 John Edward Sinning, Jr., A.B. 1952, Cornell University
 Frederic Warren Smith, B.S. 1947, Kansas State College
 Robert Hayes Stackpole, A.B. 1952, Amherst College
 Joan Nesmith Tillotson, A.B. 1952, Cornell University
 Peter Maxwell Tillotson, B.S. 1952, University of Utah
 Wolodymyr Tyschenko, B.S. 1952, Columbia University
 Richard David Wagoner, A.B. 1952, Carleton College
 Abraham Francis Ward, B.S. 1952, Manhattan College
 Richard Walter Weiskopf, A.B. 1952, Harvard University
 Robert Emmet Whalen, A.B. 1952, College of the Holy Cross
 Donald Richter Wieche, A.B. 1953, Miami University
 John Phillips Young, A.B. 1953, Cornell University
- Cedarhurst, N.Y.
 Saranac Lake, N.Y.
 Bennington, Vt.
 University, Miss.
 Hawthorne, N.J.
 Keeline, Wyoming
 Brooklyn, N.Y.
 Evanston, Ill.
 Scarsdale, N.Y.
 New York, N.Y.
 Franklin, N.H.
 Chatham, N.J.
 Flushing, N.Y.
 Claymont, Dela.
 Exeter, N.H.
 Ithaca, N.Y.
 Kew Gardens Hills, N.Y.
 Columbia, Mo.
 Tarentum, Pa.
 Elmira, N.Y.
 Waterbury, Conn.
 New York, N.Y.
 Staten Island, N.Y.
 Rasht, Iran
 New Rochelle, N.Y.
 Forest Hills, N.Y.
 Ridgewood, N.Y.
 New York, N.Y.
 Forest Hills, N.Y.
 Detroit, Mich.
 Marshalltown, Iowa
 DeLand, Florida
 Montclair, N.J.
 Colusa, Calif.
 Colusa, Calif.
 New York, N.Y.
 Rochester, Minn.
 Brooklyn, N.Y.
 New Rochelle, N.Y.
 White Plains, N.Y.
 Hamilton, Ohio
 Rockville Centre, N.Y.

THIRD YEAR

- Robert Francis Berreras, A.B. 1953, Columbia University
 Patrick Joseph Barry, A.B. 1950, Columbia University
 James William Beattie, A.B. 1953, Bowdoin College
 Robert Howard Bierman, A.B. 1953, Amherst College
 Raymond McKendree Biggs, A.B. 1953, Bowdoin College
 William Chester Black, A.B. 1953, Brown University
 Bruce David Boselli, A.B. 1954, Cornell University
 Volker Brandt, A.B. 1953, Upsala College
- Forest Hills, N.Y.
 Jackson Heights, N.Y.
 Belmont, Mass.
 Summit, N.J.
 South Pomfret, Vt.
 Rutherford, N.J.
 Fanwood, N.J.
 New York, N.Y.

- Roger Charles Breslau, A.B. 1953, Columbia University
 Hubert Sutton Bush, Jr., A.B. 1953, Dartmouth College
 Blake Cady, A.B. 1953, Amherst College
 Wallace Gibson Campbell, Jr., A.B. 1953, Harvard University
 Helen Elizabeth Carter, A.B. 1953, Wellesley College
 John Wallace Casper, A.B. 1950, Brigham Young University
 Ronald August Chez, A.B. 1953, Johns Hopkins
 Rosalie Mary Corigliano, B.S. 1953, Queens College
 William Joseph Costello, A.B. 1953, Holy Cross College
 Gaspar Garcia de Paredes, Jr., A.B. 1953, DePauw University
 Peter Ellsworth Downs, A.B. 1953, Syracuse University
 Donald Lucien Dupperret, B.S. 1950, Holy Cross College
 Alan Basil Echikson, A.B. 1953, Dartmouth College
 Roger Raymond Ecker, A.B. 1953, University of Arizona
 Kathryn Hawes Ehlers, A.B. 1953, Bryn Mawr College
 Mervyn Leon Elgart, B.S. 1953, Brooklyn College
 Daniel Fishkoff, A.B. 1953, Cornell University
 Abdollah Solat Gashgai, Stanford University
 John Andrew Gerda, A.B. 1949, Gordon College; M.A. 1951,
 Boston University
 David Gluck, A.B. 1953, Cornell University
 Donald Peter Goldstein, A.B. 1953, Williams College
 William Howard Graff, A.B. 1953, Bowdoin College
 John Parker Hanson, A.B. 1953, Wheaton College
 Robert Edmund Hardy, B.S. 1953, State College of Washington
 Emery Sylvester Hetrick, A.B. 1953, Ohio State University
 Donald William Hoskins, B.S. 1953, Queens College
 Harriet Anne Hughes, A.B. 1953, Cornell University
 Richard Estabrook Hunt, B.S. 1953, Trinity College
 Max James Kartchner, B.S. 1953, University of Arizona
 William Andrew Kemick, A.B. 1953, Rutgers University
 Marshall Glenn Koenig, A.B. 1953, Oberlin College
 Costas Theodore Lambrew, A.B. 1953, Wesleyan University
 Donald Branum Lathrop, A.B. 1953, Cornell University
 Samuel Drake Licklider, A.B. 1953, Cornell University
 Fred Yale Lobovsky, A.B. 1954, Cornell University
 William Thomas London, A.B. 1953, Oberlin College
 John Stephen Madaras, A.B. 1953, Holy Cross College
 Fred William Martens, Jr., M.E. 1949, Stevens Institute
 of Technology
 Richard Wilson Martin, A.B. 1953, College of Wooster
 David Michael McGoldrick, A.B. 1953, Bowdoin College
 Charles Kenneth McSherry, B.S. 1953, Fordham University
 William Walter Menninger, A.B. 1953, Stanford University
 Robert Anthony Michals, A.B. 1953, Cornell University
 Irvin Donald Milowe, A.B. 1953, Columbia University
 Aubrey Stinson Miree, III, B.S. 1952, Davidson College
 John McElroy Moran, A.B. 1954, Dartmouth College
 Alfred Powell Morgan, Jr., B.E.E. 1953, Cornell University
 Edward Carl Muecke, A.B. 1953, Reed College
 Martin Claude Nalder, A.B. 1947, Stanford University; M.A. 1954,
 University of Utah
 Herbert Morton Oestreich, B.S. 1953, Massachusetts
 Institute of Technology
 New York, N.Y.
 Kew Gardens, N.Y.
 Providence, R.I.
 Savannah, Ga.
 Scarsdale, N.Y.
 Rigby, Idaho
 Beverly Hills, Calif.
 Syosset, N.Y.
 Bronxville, N.Y.
 Panama, Republic of Panama
 Southampton, N.Y.
 West Englewood, N.J.
 South Orange, N.J.
 Coolidge, Ariz.
 Bronxville, N.Y.
 Brooklyn, N.Y.
 Perth Amboy, N.J.
 Gashgai, Iran
 Trumbull, Conn.
 Far Rockaway, N.Y.
 Troy, N.Y.
 White Plains, N.Y.
 Ramsey, N.J.
 Seattle, Wash.
 Worthington, Ohio
 Emerson, N.J.
 New York, N.Y.
 Babylon, N.Y.
 St. David, Ariz.
 Irvington, N.J.
 New York, N.Y.
 West Orange, N.J.
 Plainfield, N.J.
 Columbus, Ohio
 New York, N.Y.
 Perth Amboy, N.J.
 Bayonne, N.J.
 New York, N.Y.
 Monroe, Conn.
 Westwood, Mass.
 New York, N.Y.
 Topeka, Kans.
 New Britain, Conn.
 Brooklyn, N.Y.
 Birmingham, Ala.
 Jamestown, N. Dak.
 Short Hills, N.J.
 Portland, Ore.
 Roanoke, Va.
 Brooklyn, N.Y.

David Anderson Ogden, A.B. 1953, Cornell University	Summit, N.J.
Burton Mallett Onofrio, A.B. 1954, Dartmouth College	E. Norwalk, Conn.
William Henry Plauth, Jr., A.B. 1953, Princeton University	Amityville, N.Y.
George Stewart Ray, B.S. 1950, Rutgers University	Port Washington, N.Y.
Eugene Michael Renzi, A.B. 1953, Cornell University	Watertown, N.Y.
Alan Burton Retik, A.B. 1953, Cornell University	Brooklyn, N.Y.
Peter-Cyrus Rizzo, III, B.S. 1953, Georgetown University	Bronxville, N.Y.
Waid Rogers, A.B. 1950, Yale University	New York, N.Y.
Edmund Otto Rothschild, A.B. 1953, New York University	New York, N.Y.
Kenneth John Sainsbury, A.B. 1953, Cornell University	Port Washington, N.Y.
Charles Augusto Santos Buch, A.B. 1953, Harvard University	Santiago-de-Cuba, Cuba
Norman Edward Schaefer, A.B. 1949, Wagner College;	
M.A. 1952, Columbia University	Staten Island, N.Y.
Lawrence Scherr, A.B. 1950, Cornell University	New York, N.Y.
Anne Lardner Shannon, A.B. 1950, Goucher College	Montclair, N.J.
Theodore Shapiro, A.B. 1953, Wesleyan University	New York, N.Y.
Joyce Carolyn Shaver, A.B. 1953, Cornell University	Corning, N.Y.
Bernard Shepard Siegel, A.B. 1953, Colgate University	Tuckahoe, N.Y.
John Appling Sours, A.B. 1953, Yale University	East Orange, N.J.
Robert Malcolm Stafford, A.B. 1953, Cornell University	Urbana, Ill.
Evan Thomas Steadman, A.B. 1950, Amherst; M.A. 1953, Amherst	New York, N.Y.
Stewart Stringfellow, B.S. 1947, Princeton	Hopedale, Mass.
Harold Raymond Tatar, A.B. 1953, Cornell University	Gloversville, N.Y.
Donald Arthur Taylor, A.B. 1953, Columbia College	New York, N.Y.
Zygmunt Michael Tomkiewicz, A.B. 1953, Cornell University	Ithaca, N.Y.
Walter Otto VomLehn, A.B. 1953, Dartmouth College	Hanover, N.H.
Lawrence Joseph Werner, B.S. 1953, St. John's College	Woodhaven, N.Y.

SECOND YEAR

Albert Aslan Attia, A.B. 1955, Cornell University	Colón Panama
Stanton Hugh Avitabile, B.S. 1954, Trinity College	Brooklyn, N.Y.
Clyde Frederick Barker, A.B. 1954, Cornell University	Salt Lake City, Utah
William Thomas Beaver, A.B. 1954, Princeton University	Albany, N.Y.
John Joseph Beirne, B.S. 1954, Holy Cross College	Montclair, N.J.
Robert Noel Benneyan, A.B. 1954, Amherst College	White Plains, N.Y.
Frederick D'Oench Bergen, A.B. 1954, Williams College	Locust Valley, N.Y.
Richard Monroe Bergland, B.S. 1954, Wheaton College	Great Falls, Montana
David Berler, A.B. 1955, Cornell University	New York, N.Y.
Beverly Anne Billinger, A.B. 1954, Cornell University	Norwalk, Conn.
Whitworth Fontaine Bird, Jr., A.B. 1954, Wesleyan University	Riverside, Conn.
Joseph Michael Bordiuk, A.B. 1954, Colgate University	Nutley, N.J.
Robert Gifford Brayton, A.B. 1954, Williams College	Fall River, Mass.
Albert Robert Burchell, A.B. 1954, Fordham College	Jackson Heights, N.Y.
Edward James Carey, Jr., A.B. 1954, Harvard College	Flushing, N.Y.
Roland David Carlson, A.B. 1954, Cornell University	Shaker Heights, Ohio
John Turner Chard, B.S.E. 1954, Princeton University	Roselle, N.J.
Don Frederick Choquette, A.B. 1952, Univ. of California	Long Beach, Calif.
George Buchanan Coale, Jr., B.A. 1951, Williams College;	
B.S. 1951, Massachusetts Institute of Technology	Houston, Texas
John Frederic Collier, A.B. 1954, Wesleyan University	New Canaan, Conn.
Armand Cortese, A.B. 1954, Columbia University	Corona, N.Y.
Frederic Gilbert Dalldorf, A.B. 1954, Bowdoin College	Voorheesville, N.Y.
Robert Earle Davis, A.B. 1954, Colgate University	Watervliet, N.Y.

Arnold Gillespie Diethelm, A.B. 1953, State College of Washington

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|---|------------------------|
| John Patrick Donohue, A.B. 1954, Holy Cross College | Bronxville, N.Y. |
| Walter Clarence Dueger, Jr., A.B. 1954, Wesleyan University | Pelham, N.Y. |
| Richard Charles Evans, A.B. 1954, Columbia College | Niagara Falls, N.Y. |
| Robert Andrew Fischer, A.B. 1954, Columbia University | Brooklyn, N.Y. |
| Howard R. Francis, A.B. 1954, Brigham Young University | Jackson Heights, N.Y. |
| Gerald Glick, A.B. 1955, Cornell University | Spanish Fork, Utah |
| Lawrence Ely Grolnick, A.B. 1954, Cornell University | Brooklyn, N.Y. |
| Edward Scott Hartmann, A.B. 1953, Columbia College | Brooklyn, N.Y. |
| James Malcolm Hollister, A.B. 1954, Oberlin College | Hempstead, N.Y. |
| Ann Huston, A.B. 1954, Allegheny College | Valley Stream, N.Y. |
| Alfred Wayne Jackson, Jr., A.B. 1954, Williams College | Cleveland, Ohio |
| Ari Kiev, A.B. 1954, Harvard University | Hartville, Ohio |
| Thomas Quin Kong, A.B. 1954, Dartmouth College | New York, N.Y. |
| Martin William Korn, A.B. 1955, Cornell University | Santa Barbara, Calif. |
| Martin Ross Krigman, A.B. 1954, Columbia College | Lynbrook, N.Y. |
| Eugene Mitchell Lance, A.B. 1954, Cornell University | Brooklyn, N.Y. |
| Nicholas Blair Le Roy, A.B. 1954, Yale University | Forest Hills, N.Y. |
| Simmons Lessell, A.B. 1954, Amherst College | Franklin, Ohio |
| Robert Alan Levine, A.B. 1954, Cornell University | Forest Hills, N.Y. |
| Ralph Joseph Lewis, B.S. 1954, Manhattan College | New York, N.Y. |
| John Norman Loomis, A.B. 1954, Rice Institute | Perth Amboy, N.J. |
| David Maurice Lowell, A.B. 1954, Harvard College | McAllen, Texas |
| Ronald Grant Lucas, B.S. 1954, Manhattan College | Onset, Mass. |
| Sumner Marshall, A.B. 1954, Harvard College | Flushing, N.Y. |
| John Anthony Mazzarella, B.S. 1954, Trinity College | Gloucester, Mass. |
| Raymond Michael McCaffrey, B.S. 1954, Fordham University | Astoria, N.Y. |
| Regina Clair McCormack, A.B. 1949, College of New Rochelle; B.S. 1952, Cornell University | Forest Hills, N.Y. |
| Robert Laurence McKee, A.B. 1954, Drew University | Bayonne, N.J. |
| John Thomas McKnight, B.S. 1954, St. Peter's College | New York, N.Y. |
| George Holliday McLeod, A.B. 1954, University of North Carolina | Ridgefield, Park, N.J. |
| James Carlisle McLeod, Jr., A.B. 1953, University of North Carolina | Florence, S.C. |
| Robert Gillespie Merin, A.B. 1954, Swarthmore College | Florence, S.C. |
| Irwin Richard Merkat, A.B. 1955, Cornell University | New York, N.Y. |
| Richard George Middleton, A.B. 1955, University of Utah | Forest Hills, N.Y. |
| Arnold Simon Monto, A.B. 1954, Cornell University | Salt Lake City, Utah |
| Robert Leo Ney, A.B. 1954, Harvard College | Brooklyn, N.Y. |
| Thomas John O'Grady, A.B. 1954, Columbia College | New York, N.Y. |
| Ronald Neil Ollstein, A.B. 1955, Cornell University | Jersey City, N.J. |
| Louis Quain Pugsley, A.B. 1954, Hamilton College | Brooklyn, N.Y. |
| John Thomas Queenan, B.S. 1954, Notre Dame University | Brewster, N.Y. |
| Richard William Roberts, A.B. 1954, Johns Hopkins University | Greenwich, Conn. |
| Robert Michael Ryan, B.S. 1954, Holy Cross College | Manhasset, N.Y. |
| Jules Reuben Schwaber, A.B. 1954, Wesleyan University | Queens Village, N.Y. |
| George Elmer Shambaugh, III, A.B. 1954, Oberlin College | Westport, Conn. |
| Stuart Frederick Slafsky, A.B. 1954, Cornell University | Chicago, Illinois |
| Donald Byron Stark, B.S. 1953, University of Washington | Gloucester, Mass. |
| Edward August Stasio, B.S. 1954, City College of New York | Portland, Oregon |
| Joanna Sophia Stein, A.B. 1954, Cornell University | Brooklyn, N.Y. |
| Kurt Hodgson Stenzel, A.B. 1954, New York University | New York, N.Y. |
| Michael Howard Stone, A.B. 1954, Cornell University | New York, N.Y. |
| | Syracuse, N.Y. |

Horace Reginald Taitt, New York University	Brooklyn, N.Y.
Francis Finn Tarsney, A.B. 1954, Fordham University	Forest Hills, N.Y.
Perry Tirschwell, A.B. 1954, Brooklyn College	Brooklyn, N.Y.
David Gleason Underwood, II, A.B. 1954, Amherst College	Holden, Mass.
Frederick William Van Duyne, III, A.B. 1954, Cornell University	Riverside, Conn.
Henry John Van Dyk, A.B. 1954, Calvin College	Alameda, Calif.
Edward Eliot Wallach, A.B. 1954, Swarthmore College	Brooklyn, N.Y.
Hibbard Earl Williams, A.B. 1954, Cornell University	Utica, N.Y.
Robert Erwin Zickel, A.B. 1952, Cornell University	Montclair, N.J.

FIRST YEAR

Henriette Elizabeth Abel, A.B. 1955, Vassar College	Elizabeth, N.J.
Daniel Wilcox Adams, A.B. 1955, Yale University	Omaha, Nebr.
John Carter Alden, A.B. 1955, Cornell University	Jamison, Pa.
James Allen Amlicke, A.B. 1955, Columbia College	Passaic, N.J.
Lockhart Davis Arbuckle, Jr., A.B. 1955, Williams College	Savannah, Ga.
Robert James Athans, A.B. 1955, Yale University	Tuckahoe, N.Y.
Ralph August Baer, Jr., A.B. 1955, Princeton University	Paterson, N.J.
John Nelson Baldwin, A.B. 1955, Dartmouth College	Pelham Manor, N.Y.
Gwendolyn Lee Barrington, A.B. 1955, Mt. Holyoke College	N. Andover, Mass.
Arthur Randall Beil, Jr., A.B. 1955, Brown University	Flushing, N.Y.
Peter Stephen Bing, A.B. 1955, Stanford University	Los Angeles, Calif.
Peter Birk, A.B. 1955, Princeton University	Jersey City, N.J.
John Hunter Black, A.B. 1955, University of Florida	Oneonta, N.Y.
Paul Lautant Bleakley, Jr., A.B. 1955, Cornell University	Yonkers, N.Y.
Donald Lee Bricker, Colorado A. & M. College	Sheridan, Wyo.
Peter Miller Burkholder, B.S. 1955, Yale University	Athens, Ga.
Gloria Billie Campbell, A.B. 1955, Cornell University	Washington, Pa.
Thomas Clarke Carrier, A.B. 1955, Colgate University	Upper Montclair, N.J.
Raymond Feng-Chu Chen, A.B. 1955, Harvard University	Long Island City, N.Y.
Robert Louis Collier, A.B. 1955, Cornell University	Wellesley, Mass.
Allan Richard Compton, A.B. 1955, Rutgers University	Highland Park, N.J.
Clement Stephen Connolly, A.B. 1955, Fordham College	New York, N.Y.
Michael Murray Conroy, A.B. 1955, Yale University	Meriden, Conn.
Richard Christopher Conroy, A.B. 1955, Princeton University	Bloomfield, N.J.
Claude Cyril Cornwall, Jr., A.B. 1955, Cornell University	Ithaca, N.Y.
Mary Anne DeWitt, A.B. 1951, Wellesley College	Watertown, Conn.
Richard Newman Dexter, A.B. 1955, Harvard University	Port Huron, Mich.
David William Dorman, Jr., A.B. 1955, Cornell University	Cherry Creek, N.Y.
Robert Gordon Douglas, Jr., A.B. 1955, Princeton University	Pelham Manor, N.Y.
Bruce Highstone Drukker, Calvin College	Nutley, N.J.
John Jay DuBois, A.B. 1955, Williams College	New York, N.Y.
Vincent du Vigneaud, Jr., A.B. 1955, Cornell University	Scarsdale, N.Y.
Thomas Joseph Fahey, Jr., A.B. 1955, Fordham College	New York, N.Y.
Alfred James Felice, A.B. 1955, Cornell University	Franklin Square, N.Y.
Harvey Roy Greenberg, A.B. 1955, Columbia College	Brooklyn, N.Y.
Vincent Florence Guinee, B.S. 1955, Fordham University	Jackson Hts., N.Y.
Jack Walter Carl Hagstrom, A.B. 1955, Amherst College	Rockford, Ill.
Norman Eliot Hugo, A.B. 1955, Williams College	Marblehead, Mass.
Richard John Kossman, B.S. 1955, Rutgers University	West Orange, N.J.
Edward Len Krawitt, A.B. 1955, Cornell University	Bayside, N.Y.
David Roger Lawrenz, A.B. 1955, Amherst College	Amherst, Mass.
Gary Earl Leinbach, A.B. 1955, Williams College	Wallingford, Conn.

Norman Seymour Lichtenstein, B.S. 1955, Queens College	Corona, N.Y.
Melvin George Lund, B.S. 1955, Manhattan College	Brooklyn, N.Y.
John Ralph Macfarlane, A.B. 1955, University of Utah	Ogden, Utah
Alan Maré, A.B. 1955, Colgate University	Brooklyn, N.Y.
John Samuel Mazella, A.B. 1955, Cornell University	E. Rutherford, N.J.
James Bruce McGovern, A.B. 1955, Amherst College	Winchester, Mass.
Jerry William McRoberts, A.B. 1955, Princeton University	Sheboygan, Wis.
Craig Arnold Mehldau, B.S. 1955, Trinity College	Brooklyn, N.Y.
Denis Ronald Miller, A.B. 1955, Cornell University	Upper Montclair, N.J.
Ralph Louis Moress, A.B. 1955, Cornell University	Rochester, N.Y.
John Francis Morris, Jr., A.B. 1955, Cornell University	Haddon Hts., N.J.
Joseph George Mowrer, Jr., B.S. 1955, St. Lawrence University	Penfield, N.Y.
Thomas Martin Nall, A.B. 1955, Wesleyan University	Fulton, Ky.
Jay Arthur Noble, B.S. 1955, Haverford College	Staten Island, N.Y.
Michael Joseph Olichney, A.B. 1955, Cornell University	Spencer, N.Y.
Seth Anderson Onwona, A.B. 1955, Cornell University	Gold Coast, W. Africa
Eugene Rene Perrin, A.B. 1955, Miami University	Columbus, Ohio
Shirley Ruth Petersen, A.B. 1955, Wellesley College	Manhasset, N.Y.
Monroe Pray, Jr., A.B. 1955, Amherst College	Highland Park, N.J.
Harry G. Preuss, Cornell University	Binghamton, N.Y.
Stephen Norman Price, A.B. 1955, Cornell University	Great Neck, N.Y.
Jocelyn Mede Proctor, A.B. 1955, Cornell University	New York, N.Y.
Herbert Irwin Rappaport, B.S. 1955, City College of New York	New York, N.Y.
Paul Edward Romano, A.B. 1955, Cornell University	Pelham, N.Y.
Walter Rubin, B.S. 1955, Mass. Inst. of Technology	Worcester, Mass.
Milton Huyett Sangree, Jr., A.B. 1955, Haverford College	Kenmore, N.Y.
Robert Stanley Schaeffer, A.B. 1955, Brooklyn College	Brooklyn, N.Y.
Bernard Charles Schroeder, A.B. 1955, St. Peter's College	Jersey City, N.J.
James Edward Shepard, A.B. 1955, Wesleyan University	Tilton, N.H.
Martin Siegelman, A.B. 1955, Cornell University	Jersey City, N.J.
Robert Grist Sumner, A.B. 1955, Harvard University	Kenmore, N.Y.
William Patrick Tunell, B.S. 1955, Notre Dame University	Bronxville, N.Y.
Wayne Richard Ulsnik, A.B. 1955, Princeton University	Short Hills, N.J.
Joseph Vincent Uricchio, Jr., A.B. 1955, Amherst College	W. Hartford, Conn.
James Knox Van Buren, A.B. 1955, Cornell University	Atlanta, Ga.
James Richard Van Ostrand, A.B. 1955, University of Rochester	Henrietta, N.Y.
Alden Eames Whitney, A.B. 1955, Clark University	Worcester, Mass.
William Gerard Winters, Jr., A.B. 1955, Cornell University	New Rochelle, N.Y.
Peter Wei Ting Yu, A.B. 1955, Cornell University	Ithaca, N.Y.
Irwin David Zim, A.B. 1955, Colgate University	Great Neck, N.Y.

SUMMARY

Fourth year	86
Third year	84
Second year	83
First year	84
Total	337

REGISTER OF THE MEDICAL COLLEGE AND SLOAN-KETTERING STAFFS

Abrahams, Irving	Microbiology & Immunology	59
Adams, Harold B.	Pediatrics	65
Advocate, Seymour	Medicine	55
Akelaitis, Andrew J.	Medicine (Neurology)	53
Almy, Thomas P.	Medicine	53
Alpert, Harry	Psychiatry	69
Anderson, Arthur F.	Pediatrics	65
Anderson, David	Anatomy	50
Antoville, Abraham A.	Medicine	55
Applebaum, Jacob	Surgery	77
Arditi, Lucian I.	Medicine	55
Armistead, George C.	Medicine	55
Arrington, Joe O.	Medicine	55
Artusio, Joseph F., Jr.	Surgery (Obstetrics & Gynecology)	60, 75
Ashe, Barbara S.	Pediatrics	65
Atkinson, Sam C.	Medicine	55
Ayerst, Robert	Obstetrics & Gynecology	61
Ayres, William H.	Surgery	77
Bader, Genevieve	Sloan-Kettering (Prev. Med.)	89
Baez, Silvio	Medicine	53
Bailey, Charles A.	Medicine	55
Baker, David H.	Radiology; Pediatrics	65, 74
Baldwin, Horace S.	Medicine	53
Balensweig, Howard	Surgery	77
Balensweig, Irvin	Surgery (Orthopedics)	76
Balis, M. Earl	Sloan-Kettering (Biochemistry)	88
Ball, Thomas L.	Obstetrics & Gynecology	60
Baras, Irving	Surgery	77
Barber, Hugh R. K.	Obstetrics & Gynecology	61
Barbu, Valer	Psychiatry	69
Barclay, Ralph K.	Sloan-Kettering (Biochemistry)	88
Barish, Julian I.	Psychiatry	69
Barnes, Lloyd T.	Medicine	55
Barnes, William A.	Surgery	75
Barondess, Jeremiah A.	Medicine	55
Barr, David	Surgery	77
Barr, David P.	Medicine	53
Barry, Richard M.	Medicine	55
Bartlett, M. Frederick	Biochemistry	51

Barton, Bennett.....	Obstetrics & Gynecology.....	61
Bass, Richard R.....	Pediatrics.....	66
Bates, Barbara.....	Medicine.....	55
Batten, John C.....	Medicine.....	55
Bauer, Charles H.....	Pediatrics.....	66
Baumgartner, Leona.....	Pub. Health & Prev. Med.; Pediatrics.....	65, 71
Baxter, James E.....	Psychiatry.....	69
Baylor, Curtis H.....	Medicine.....	53
Beal, John M.....	Surgery.....	75
Becker, David V.....	Medicine.....	55
Behrman, Stanley J.....	Surgery.....	76
Belcher, Anne M.....	Surgery.....	77
Bendich, Aaron.....	Sloan-Kettering (Biochemistry).....	88
Beneventi, Francis A.....	Surgery.....	77
Berenberg, Samuel R.....	Pub. Health & Prev. Med.; Pediatrics.....	65, 71
Berkeley, Ruth P.....	Medicine.....	55
Berle, Beatrice.....	Medicine; Pub. Health & Prev. Med.....	55, 71
Berlin, Louis.....	Medicine.....	53
Berman, Mones.....	Sloan-Kettering.....	89
Berntsen, Carl A., Jr.....	Medicine.....	55
Berry, Charles M.....	Anatomy.....	50
Beyer, Harold.....	Sloan-Kettering (Biophysics).....	89
Biesele, John J.....	Sloan-Kettering (Biology).....	88
Billo, Otto E.....	Pediatrics.....	65
Bippart, Charles H.....	Obstetrics & Gynecology.....	61
Birnbaum, Stanley J.....	Obstetrics & Gynecology.....	61
Bodansky, Oscar.....	Sloan-Kettering (Biochemistry).....	88
Bogatko, Frances H.....	Pub. Health & Prev. Med.....	71
Bonsnes, Roy W.....	Biochemistry; Obs.-Gyn.....	51, 60
Booher, Robert J.....	Surgery.....	77
Bortin, Aaron W.....	Medicine.....	55
Bowden, Lemuel.....	Surgery.....	77
Boyan, Paul.....	Surgery.....	77
Boynton, Perry S., Jr.....	Obstetrics & Gynecology.....	61
Bradlow, H. Leon.....	Sloan-Kettering.....	88
Brasfield, Richard J.....	Surgery.....	77
Braunstein, Paul W.....	Surgery.....	77
Braveman, Warren S.....	Medicine.....	55
Breed, Charles N., Jr.....	Surgery.....	77
Breen, D. Stephen.....	Surgery.....	77
Brethwaite, Samuel H.....	Medicine.....	55
Brice, Mitchell.....	Surgery.....	77
Brodman, Keeve.....	Medicine.....	53
Bross, Irwin D. J.....	Pub. Health & Prev. Med.....	71
Brotherton, Robert J.....	Biochemistry.....	51
Brown, George B.....	Sloan-Kettering (Biochemistry).....	88
Brown, Harrison O., Jr.....	Medicine.....	55
Brown, Veronica C.....	Medicine.....	55
Browne-Mayers, Albert N.....	Psychiatry.....	69
Brunschwig, Alexander.....	Surgery.....	75

Brush, A. Louise	Psychiatry	69
Buchman, Myron I.	Obstetrics & Gynecology	61
Buckstein, Jacob	Medicine	53
Budzilovich, Gleb N.	Pathology	63
Burchenal, Joseph H.	Medicine	53
Bunn, William H., Jr.	Medicine	55
Burgos, Mario H.	Anatomy	50
Burke, Grafton E.	Medicine	55
Burkhardt, Edward A.	Medicine	55
Burnett, Harry W.	Radiology	74
Burnstein, Charles	Surgery	76
Butler, Katharine	Medicine	63
Buys, Norman S.	Surgery	77
Byers, Robert J.	Surgery	77
Cahan, William G.	Surgery	77
Callahan, Justin T.	Obstetrics & Gynecology	60
Camarda, Anthony	Surgery	77
Cardullo, June M.	Pediatrics	65
Carey, Thomas I.	Surgery	77
Carlen, Alexander	Psychiatry	69
Carlson, Arthur S.	Pathology	63
Carlson, Eric T.	Psychiatry	69
Carpenter, Frank G.	Physiology	68
Carpenter, Walter T., Jr.	Pediatrics	65
Carr, Henry A.	Medicine	53
Catlin, Daniel	Surgery	77
Cattell, McKeen	Pharmacology	67
Cavalieri, Liebe F.	Sloan-Kettering (Biochemistry)	88
Cecil, Russell L.	Medicine (Emeritus)	8
Cerruli, Remo	Psychiatry	69
Chapman, Loring	Medicine	55
Charash, Leon I.	Pediatrics	65
Chaves, Aaron D.	Pub. Health & Prev. Med; Medicine	53, 71
Chu, Florence Chien-Hwa	Radiology	74
Chu, Foo	Medicine	55
Cipollaro, Anthony C.	Medicine (Dermatology)	53
Clapp, Paul	Surgery	77
Clarke, Donald A.	Sloan-Kettering (Pharmacology)	88
Clarkson, Bayard D.	Medicine	55
Cleveland, Eric	Psychiatry	69
Clifton, Eugene E.	Surgery	75
Coats, Edward C.	Surgery	77
Cobb, John R.	Surgery (Orthopedics)	76
Cohen, Burton D.	Medicine	55
Cohen, Eugene J.	Medicine	53
Cole, John T.	Obstetrics & Gynecology	60
Coley, Bradley L.	Surgery	75
Collins, Harvey S.	Medicine	54
Condouris, George A.	Pharmacology	67
Console, Arthur D.	Surgery (Neurosurgery)	76

Constantine, Elizabeth F.	Surgery	77
Conte, Alexander	Surgery	77
Conway, Herbert	Surgery	75
Cooper, Howard N.	Psychiatry	69
Cooper, William	Surgery (Orthopedics)	76
Cooper, William	Surgery	77
Cooper, William A.	Surgery	75
Cormia, Frank E.	Medicine (Dermatology)	54
Cornell, Carlton M.	Surgery	77
Cornell, George N.	Surgery	77
Cornell, Nelson W.	Surgery	75
Cox, Denton S.	Medicine	55
Craig, Robert L.	Obstetrics & Gynecology	60
Cramer, Jean Abel	Medicine	55
Craver, Lloyd F.	Medicine	53
Craver, William L.	Surgery	77
Crawford, David B., Jr.	Obstetrics & Gynecology	61
Crevasse, Lamar E., Jr.	Medicine	55
Crews, Marjorie	Surgery	77
Crissey, Eleanor	Psychiatry	69
Cusmano, Joseph V.	Radiology	74
Daniel, William W.	Surgery	77
Daniells, Helen E.	Psychiatry	69
Dann, Margaret	Pediatrics	65
Dargeon, Harold W. K.	Pediatrics	65
Davidson, Murray	Pediatrics	65
Davis, Daniel W.	Surgery	77
Davis, Jeff	Medicine	55
Davis, Marion	Medicine	55
Davis, E. William	Obstetrics & Gynecology	61
Day, Emerson	Sloan-Kettering (Prev. Med.)	89
de Alvarado, Lois	Psychiatry	69
Deans, Robert D.	Surgery	77
Deddish, Michael R.	Surgery	75
de Gara, Paul F.	Pathology; Pediatrics	63, 65
Denker, Peter G.	Medicine (Neurology)	54
Dennen, Edward H.	Obstetrics & Gynecology	60
Denues, A. R. T.	Sloan-Kettering (Biology)	88
de Prosse, Charles A.	Obstetrics & Gynecology	61
Despert, J. Louise	Psychiatry	69
Des Prez, Roger M.	Medicine	55
Deutschberger, Jerome	Medicine	55
Dexter, Richard L.	Medicine	55
Diamond, Henry D.	Medicine	54
Diamond, Monroe T.	Medicine	55
Diehl, Carolyn H.	Medicine	55
Diethelm, Oskar	Psychiatry	69
DiLeo, Joseph H.	Pediatrics	66
Dillon, Thomas F.	Obstetrics & Gynecology	61
Dineen, Peter	Surgery	77

DiPace, Ralph T.....	Surgery.....	77
Dooley, Samuel W.....	Pediatrics.....	65
Dougherty, John W.....	Medicine.....	55
Douglas, R. Gordon.....	Obstetrics & Gynecology.....	60
Doyle, Thomas L., Jr.....	Psychiatry.....	69
Draper, John W.....	Surgery (Urology).....	75
Drew, J. Edwin.....	Surgery.....	77
Dring, Thomas J.....	Surgery.....	77
DuBois, Eugene F.....	Physiology (Emeritus).....	8
DuBois, Robert O.....	Pediatrics.....	65
Dudley, Guilford S.....	Surgery.....	75
Duley, Wade.....	Surgery.....	77
Dunbar, Howard S.....	Surgery.....	76
Dunlap, Edward A., III.....	Surgery (Ophthalmology).....	76
Dunning, Henry S.....	Medicine (Neurology).....	53
du Vigneaud, Vincent.....	Biochemistry.....	51
Dworetzky, Murray.....	Medicine.....	55
Ebersole, Carl M.....	Surgery.....	77
Eckardt, Robert E.....	Medicine.....	55
Eckel, John H.....	Surgery.....	75
Edwards, Dayton J.....	Physiology (Emeritus); Sec'y of Faculty	8, 6
Egan, George F.....	Surgery.....	75
Eggleston, Cary.....	Medicine (Emeritus).....	8
Eich, Stephen J.....	Biochemistry.....	51
Eichenwald, Heinz F.....	Pediatrics.....	65
Eisenmenger, William J.....	Medicine.....	54
Eliasberg, Helene.....	Pediatrics.....	65
Ellis, John T.....	Pathology; Surgery.....	63, 76
Ellison, Rose-Ruth.....	Medicine.....	55
Engle, Mary A.....	Pediatrics.....	65
Engle, Ralph L., Jr.....	Medicine.....	54
Epstein, Nathan.....	Pediatrics.....	65
Erdman, Albert J., Jr.....	Medicine.....	54
Erlandson, Marion E.....	Pediatrics.....	65
Erle, Henry R.....	Medicine.....	55
Escher, George C.....	Medicine.....	55
Etzwiler, Donnell D.....	Pediatrics.....	65
Evans, John A.....	Radiology.....	74
Ewing, James H.....	Pub. Health & Prev. Med.....	71
Fadden, Francis J.....	Surgery.....	77
Falk, Emil A.....	Medicine.....	55
Farmer, Lawrence.....	Medicine.....	55
Farr, Hollon W.....	Surgery.....	76
Farrar, Holden K.....	Obstetrics & Gynecology.....	61
Farrell, Frank W.....	Surgery.....	77
Farrow, Joseph H.....	Surgery.....	76
Fawcett, Don W.....	Anatomy.....	50
Feder, Aaron.....	Medicine.....	54
Ferguson, G. Renee.....	Psychiatry.....	69
Ferraro, Thomas J.....	Surgery.....	77

Fiedler, George A.	Surgery (Urology)	76
Finby, Nathaniel	Radiology	74
Fink, Austin I.	Surgery	77
Finkbeiner, John A.	Medicine	55
Finn, William F.	Obstetrics & Gynecology	60
Fish, Barbara	Psychiatry	69
Fisher, Evelyn	Pediatrics; Psychiatry	66, 69
Flach, Frederic F.	Psychiatry	69
Fleetwood, M. Freile	Psychiatry	69
Fleischmann, Edgar P.	Surgery	77
Focht, Elizabeth F.	Radiology (Physics)	74
Foley, William T.	Medicine	54
Foot, N. Chandler	Surgical Pathology (Emeritus)	8
Foote, Frank W., Jr.	Sloan-Kettering (Pathology)	89
Foote, Franklin M.	Pub. Health & Prev. Med.	71
Forkner, Claude E.	Medicine	53
Fortner, Joseph	Surgery	77
Franklin, John E.	Pediatrics	65
Fraser, Alan W.	Psychiatry	69
Frazell, Edgar L.	Surgery	76
Free, Edward A.	Surgery	77
Freund, Jules	Pathology	63
Freyberg, Richard H.	Medicine	53
Friend, Charlotte	Sloan-Kettering	88
Friess, Constance	Medicine	54
Frimpter, George W.	Medicine	55
Fukushima, David K.	Sloan-Kettering (Biochemistry)	88
Fuller, Frederick W.	Surgery	77
Gabel, Milton	Surgery	77
Gallagher, Thomas F.	Sloan-Kettering (Biochemistry)	88
Garb, Solomon	Pharmacology	67
Garrick, Thomas J.	Surgery	77
Gause, Ralph W.	Obstetrics & Gynecology	60
Geiger, J. Theodore	Surgery	77
Geller, William	Medicine	55
Genghof, Dorothy S.	Biochemistry; Microbiology & Immunology	51, 59
Genvert, Harold	Surgery	76
Geohegan, William A.	Anatomy	50
Gepfert, Randolph	Obstetrics & Gynecology	60
Gersh, Marvin J.	Pediatrics	65
Gerson, Martin L.	Psychiatry	69
Gibbons, John Martin	Medicine	55
Giebisch, Gerhard	Physiology	68
Gilder, Helena	Biochemistry; Surgery	51, 76
Gilmore, James	Obstetrics & Gynecology	61
Gilroy, Francis J.	Medicine	55
Giorgi, Elsie A.	Medicine	55
Gish, Duane T.	Biochemistry	51
Gittinger, John	Medicine	55

Given, William P.	Obstetrics & Gynecology	60
Glassman, Oscar	Obstetrics & Gynecology	61
Glenn, Frank	Surgery	75
Glynn, Martin J.	Pediatrics	65
Goebel, David	Medicine	55
Gold, Harry	Pharmacology	67
Goldberg, Henry P.	Pediatrics	65
Goldsmith, Edward I.	Surgery	77
Goldstein, Gilbert	Sloan-Kettering	88
Goldstein, Oscar E.	Medicine	55
Goodell, Helen	Medicine	55
Goodridge, Malcolm	Medicine (Emeritus)	8
Goodyear, Stephen	Psychiatry	69
Gordon, Dan M.	Surgery (Ophthalmology)	76
Goulet, Anita H.	Surgery	77
Grace, William J.	Medicine	53
Greeley, Arthur V.	Obstetrics & Gynecology	61
Green, James L.	Surgery	77
Green, Saul	Medicine	55
Greenacre, Phyllis	Psychiatry	69
Greenberg, Sidney M.	Medicine	54
Greenberg, Ernest	Medicine	55
Greif, Roger L.	Physiology	68
Griffith, B. Herold	Surgery	77
Groeschel, August H.	Pub. Health & Prev. Med.	71
Guenard, Eugene J.	Surgery	77
Guida, Peter M.	Surgery	77
Guion, Connie M.	Medicine (Emeritus)	8
Gurd, Frank R.N.	Biochemistry	51
Guthrie, Keith O., Jr.	Medicine	55
Guthrie, Thomas C.	Medicine	55
Haberfelde, George C.	Pathology	63
Haddad, Michel N.	Pathology	63
Hadley, Susan J.	Medicine	54
Hagamen, Wilbur D.	Anatomy	50
Hall, Theodore	Sloan-Kettering	89
Halsey, Hugh, II	Obstetrics & Gynecology	61
Hamilton, Charles K.	Surgery	77
Hamilton, Francis J.	Psychiatry	69
Hamilton, Leonard D.	Sloan-Kettering	88
Hanlon, Lawrence W.	Assistant Dean; Anatomy	6, 50
Hansson, Kristian G.	Surgery (Physiotherapy)	75
Haralambie, James Q.	Pediatrics	65
Harrar, James A.	Obstetrics & Gynecology (Emeritus)	8
Harrington, Helen	Pediatrics	65
Harris, Richard L.	Psychiatry	69
Harrison, James S.	Surgery	77
Harrold, Charles C., Jr.	Surgery	77
Harvey, Joseph P.	Surgery	77
Hatterer, Lawrence J.	Psychiatry	69

Hauser, Edwin T.	Medicine	53
Hauser, Louis A.	Medicine	55
Hausman, Louis	Medicine (Neurology)	53
Hawks, Graham G.	Obstetrics & Gynecology	61
Hehre, Edward J.	Microbiology & Immunology	59
Heimoff, Leonard L.	Medicine	55
Heinzen, Bruce	Surgery	77
Hellman, Leon D.	Sloan-Kettering (Medicine)	54
Helper, Helen N.	Pediatrics	65
Helpern, Herman G.	Medicine	55
Helpern, Milton	Medicine; Pathology	54, 63
Henley, Thomas F.	Psychiatry	69
Henry, George W.	Psychiatry	69
Herbert, Earle A.	Radiology	74
Hersch, Alexander	Surgery	77
Hersh, Alexander	Surgery	77
Hertz, Ralph E. L.	Surgery	77
Higinbotham, Norman L.	Surgery	76
Hill, Malcolm R.	Surgery	77
Hinkle, Lawrence E., Jr.	Medicine; Psychiatry	54, 69
Hinsey, Joseph C.	Director	4
Hirsch, Robert L.	Pathology	63
Hochstein, Elliot	Medicine	54
Hollander, Alvin	Microbiology & Immunology	59
Holleb, Arthur I.	Surgery	77
Holman, Cranston W.	Surgery	75
Holman, James M.	Surgery	76
Holmquist, Doris G.	Anatomy	50
Holmquist, Nelson D.	Pathology	63
Holswade, George R.	Surgery	76
Holt, Evelyn	Medicine	54
Honig, Edward I.	Medicine	55
Hood, Claude I.	Pathology	63
Hood, Henry L.	Surgery	77
Hooker, Russell H.	Surgery	77
Hoover, Walter B.	Surgery	77
Hopper, Mary Ellen	Medicine	55
Horger, Eugene L.	Medicine	55
Horwich, David	Surgery	77
Horwith, Melvin	Medicine	55
Houde, Raymond W.	Medicine	54
Howe, Suzanne A. L.	Surgery	77
Howland, William	Surgery	75
Huebner, Robert D.	Medicine	55
Hughes, John H.	Psychiatry	69
Humphreys, Gustavus A.	Surgery (Urology)	76
Hunt, Frederick C.	Pediatrics	65
Hutchings, John J.	Pediatrics	66
Hutchison, Dorris J.	Sloan-Kettering (Microbiology)	88
Hynes, Frank J.	Surgery	77

Ito, Tomiko.....	Pediatrics.....	66
Jacobsen, Leif Y.....	Medicine.....	55
Jacobson, Abraham S.....	Medicine.....	54
Jameison, Gerald R.....	Psychiatry.....	69
Jamison, William A.....	Surgery.....	77
Janulis, Peter T.....	Psychiatry.....	69
Jaspin, George.....	Radiology.....	74
Javert, Carl T.....	Obstetrics & Gynecology.....	60
Jeffreys, William H.....	Medicine.....	55
Jensen, D. Rees.....	Surgery.....	76
Johl, Albert.....	Biochemistry.....	51
Johnson, Donald G.....	Obstetrics & Gynecology.....	61
Johnson, George, Jr.....	Surgery.....	77
Joyner, Edmund N., III.....	Pediatrics.....	65
Kammerer, William H.....	Medicine.....	54
Kane, Francis D.....	Psychiatry.....	69
Kany, Alfred W.....	Radiology.....	74
Kaplan, Lawrence I.....	Medicine.....	55
Kaplan, Martin J.....	Pediatrics.....	66
Karl, Richard C.....	Surgery.....	76
Karnofsky, David A.....	Sloan-Kettering (Medicine).....	53
Karp, Dorothy.....	Pharmacology.....	67
Katsoyannis, Panayotis G.....	Biochemistry.....	51
Kauer, George L.....	Medicine.....	54
Kauer, Joseph T.....	Surgery.....	76
Kauffman, Shirley L.....	Pathology.....	63
Kaufman, Ira H.....	Surgery.....	77
Kavaler, Frederic.....	Physiology.....	68
Kean, B. H.....	Medicine; Pub. Health & Prev. Med.....	54, 71
Keefer, Edward B. C.....	Surgery.....	76
Kelley, Samuel F.....	Surgery (Otolaryngology).....	75
Kellner, Aaron.....	Pathology.....	63
Kelly, James T.....	Surgery.....	77
Kelly, LeMoyne C.....	Medicine.....	54
Kemp, Walter W.....	Psychiatry.....	69
Kent, Ann P.....	Obstetrics & Gynecology; Pub. Health & Prev. Med.....	61, 71
Kerns, Thomas C., Jr.....	Surgery.....	77
Kerr, M. Dorothea.....	Psychiatry.....	69
Kessler, Richard H.....	Physiology.....	68
Kestler, Otto C.....	Surgery.....	77
Kidd, John G.....	Pathology.....	63
Killip, Thomas, III.....	Medicine.....	55
Kirkland, Henry B.....	Medicine.....	55
Kivel, Raymond M.....	Medicine.....	55
Klebanoff, Seymour G.....	Psychiatry.....	69
Kliwer, David D.....	Medicine.....	55
Klumpp, Margaret.....	Medicine.....	54
Knehr, Charles A.....	Psychiatry.....	69
Koch, Henry J., Jr.....	Medicine.....	54

Koenig, Hedwig	Pediatrics	65
Kohl, Richard N	Psychiatry	69
Korngold, Leonhard	Sloan-Kettering (Biochemistry)	88
Korsch, Barbara M	Pediatrics	65
Koss, Leopold G	Sloan-Kettering (Pathology)	89
Koteen, Herbert	Medicine	54
Koteen, Phyllis H	Pediatrics	65
Kramer, Elmer E	Obstetrics & Gynecology	61
Kramer, Milton L	Medicine	53
Kremer, Carl P	Pediatrics	65
Kretchmer, Norman	Pediatrics	65
Kripke, David C	Surgery	77
Krisiuk, Marie	Psychiatry	69
Kuchinskas, Edward J	Biochemistry	51
Kuhn, Herbert R., Jr	Obstetrics & Gynecology	61
Kutner, Bernard	Pub. Health & Prev. Med	71
Kutt, Henn	Medicine	55
Kwit, Nathaniel T	Pharmacology	67
La Due, John S	Medicine	54
Lake, Michael	Medicine	54
LaMar, Norvelle C	Psychiatry	69
Lampe, Ernest W	Anatomy; Surgery	50, 75
Landesman, Robert	Obstetrics & Gynecology	61
Langner, Helen P	Psychiatry	69
Langer, Thomas S	Psychiatry	69
Laughlin, John S	Sloan-Kettering (Biophysics)	89
Lavoie, Jean C	Surgery	77
Law, David H	Medicine	55
Lawrence, Jerome	Surgery	77
Leahy, Edward B	Surgery	77
Leder, Harold L	Medicine	55
Lee, Richard E	Medicine	54
Lee, Robert E	Medicine	55
Lee, Seung Hoon	Medicine	55
Leighton, Alexander Hamilton	Psychiatry	69
Leighton, Dorothea G	Psychiatry	69
Lemcke, Dorothea	Medicine	55
L'Esperance, Elise S	Pub. Health & Prev. Med. (Emeritus)	8
Levine, Bernard	Surgery	77
Levine, Leon I	Medicine	54
Levine, Milton I	Pediatrics	65
Levine, Samuel Z	Pediatrics	65
Lewis, Benjamin	Surgery	77
Lewis, Charles M	Medicine	55
Lewis, George M	Medicine (Dermatology)	53
Lewis, John S	Surgery	77
Lewisohn, Marjorie	Medicine	55
Ley, Allyn B	Medicine	53
Lichtman, Sol S	Medicine	54

Lieberman, Jerrold S.	Medicine	55
Liebolt, Frederick L.	Surgery (Orthopedics)	75
Lim, Wan N.	Pediatrics	66
Lincoln, Asa L.	Medicine	53
Linder, Francis	Surgery	77
Lintz, Robert M.	Medicine	55
Lipkin, Mack	Medicine	54
Lipkin, Martin	Medicine	55
Longaker, William D.	Psychiatry	69
Lorenze, Edward J., III	Medicine (Physical Medicine)	54
Loeske, Lucile	Surgery	76
Loveless, Mary H.	Medicine (Allergy)	53
Lubash, Glenn D.	Medicine	55
Luckey, E. Hugh	Dean; Medicine	53, 6
Ludwig, Martha	Biochemistry	51
Luger, Morton M.	Medicine	55
Lukas, Daniel S.	Medicine	54
MacFee, William F.	Surgery	75
MacLeod, John	Anatomy	50
MacLeod, Martha B.	Physiology	68
Magida, Melville G.	Pediatrics	66
Mahrer, Peter R.	Medicine	55
Maisel, Bernard	Surgery	76
Mamelok, Alfred E.	Surgery	77
Mann, Edward C.	Psychiatry; Obstetrics & Gynecology	61, 69
Mannix, Henry L.	Surgery	77
Marbury, Benjamin E.	Surgery; Obstetrics & Gynecology	61, 76
Marshall, Florence N.	Pediatrics	65
Marshall, Victor F.	Surgery (Urology)	75
Martin, Hayes E.	Surgery	76
Martin, Herbert L.	Medicine	55
Martin, Kirby A.	Medicine	54
Martin, Kirby A.	Medicine	54
Martin, William W., Jr.	Medicine	55
Masterson, James F., Jr.	Psychiatry	69
Mayer, Victor	Surgery	77
Mazur, Abraham	Medicine	54
Mazzia, Valentino D.	Surgery	77
McAuliffe, Gervais W.	Surgery (Otolaryngology)	76
McC Campbell, Stanley R.	Medicine	55
McCarroll, James R.	Pub. Health & Prev. Med.	71
McClenahan, John L.	Radiology	74
McCombs, A. Parks	Medicine	55
McCormack, Richard R.	Medicine	54
McCune, Robert M., Jr.	Pub. Health & Prev. Med.	71
McDermott, Walsh	Pub. Health & Prev. Med.	71
McDevitt, Ellen	Medicine	55
McGovern, John H.	Surgery	77
McGovern, Robert G.	Pediatrics	65
McGowan, Frank J.	Surgery	76

McGrath, John F.	Psychiatry.	69
McGrath, Neva E.	Medicine.	55
McIlveen, Marion.	Pediatrics.	65
McLane, Charles M.	Obstetrics & Gynecology.	60
McLarn, William D.	Obstetrics & Gynecology.	61
McLean, Alan A.	Psychiatry.	69
McLean, John M.	Surgery (Ophthalmology).	75
McLellan, Allister M.	Surgery (Urology).	76
McLellan, Frederick C.	Surgery (Urology).	76
McNamara, Helen.	Pediatrics.	65
McNeer, Gordon.	Surgery.	76
McNeil, James P., Jr.	Obstetrics & Gynecology.	61
McPeak, Charles J.	Surgery.	77
Mehler, Leopold.	Surgery.	77
Melchionna, Robert H.	Medicine.	54
Mellors, Robert C.	Sloan-Kettering (Pathology).	88
Melton, Robert A.	Pediatrics.	66
Melville, Donald B.	Biochemistry.	51
Mendelson, Curtis L.	Obstetrics & Gynecology.	61
Mermann, Alan.	Medicine.	55
Merten, Charles W.	Radiology.	74
Metraux, Rhoda.	Medicine.	55
Meurk, Mary.	Sloan-Kettering.	89
Michael, Stanley T.	Psychiatry.	69
Milhorat, Ade T.	Medicine; Psychiatry.	53, 69
Miller, Raymond E.	Medicine.	55
Miller, Theodore R.	Surgery.	77
Millstein, Gerald J.	Surgery.	77
Milman, Anne E.	Psychiatry.	69
Miscall, Laurence.	Surgery.	76
Modell, Walter.	Pharmacology.	67
Moench, L. Mary.	Medicine.	55
Moffit, Francis X.	Obstetrics & Gynecology.	61
Mohos, Steven C.	Pathology.	63
Molander, David W.	Medicine.	55
Money, William L.	Sloan-Kettering (Biology).	88
Moodie, Alan M.	Surgery.	77
Moore, Alice E.	Sloan-Kettering (Biology).	88
Moore, James A.	Surgery (Otolaryngology).	76
Moore, John.	Pub. Health & Prev. Med.	71
Moore, Oliver S.	Surgery.	77
Moore, Ralph B., Jr.	Pediatrics.	65
Moore, S. W.	Surgery.	76
Morgenthau, Joan E.	Pediatrics.	65
Morrill, Charles V.	Anatomy (Emeritus).	8
Mueller, George C.	Surgery.	77
Mujahed, Zuheir.	Radiology.	74
Murphy, George E.	Pathology.	63
Murphy, M. Lois.	Medicine.	54
Murphy, Willis A.	Medicine.	55

Muschenheim, Carl	Medicine	53
Myers, W. P. Laird	Medicine	54
Nathanson, Joseph N.	Obstetrics & Gynecology	60
Needy, Carl K.	Medicine	55
Negrin, Juan	Surgery	77
Neill, James M.	Microbiology & Immunology	59
Nelson, Dewey A.	Medicine	55
Nestler, Warren P.	Medicine	55
New, Elizabeth V.	Pediatrics	66
Nicholas, James A.	Surgery	77
Nickel, William F., Jr.	Surgery	76
Nickson, James J.	Radiology	74
Nolan, Robert L.	Pediatrics	66
Norris, John L.	Anatomy	50
Norton, Edward W. D.	Surgery	77
Notterman, Rebecca F.	Pediatrics	66
Nydick, Irwin	Medicine	55
O'Donnell, Walter	Sloan-Kettering	89
Ogilvie, John B.	Surgery	77
Okinaka, Arthur J.	Surgery	77
Olcott, Charles T.	Pathology	63
Oliver, Thomas K., Jr.	Pediatrics	65
Oljenick, Ignaz W.	Medicine (Neurology)	55
Ollstein, Philip	Pub. Health & Prev. Med.	71
O'Neill, Earl A.	Surgery	77
Opie, Eugene L.	Pathology (Emeritus)	8
Opler, Marvin K.	Psychiatry	69
Oppel, Theodore W.	Medicine	53
Oppenheimer, Hans	Psychiatry	69
Organick, Avrum B.	Medicine	71
O'Regan, Charles H.	Pediatrics	65
Ostfeld, Adrian M.	Medicine	55
O'Sullivan, Ward D.	Surgery	76
Ovadia, Jacques	Sloan-Kettering	89
Pack, George T.	Surgery	76
Papanicolaou, George	Anatomy (Emeritus)	8
Paquin, Albert J.	Surgery	76
Parsons, Herbert	Surgery	76
Parsons, Thomas C.	Medicine	55
Patterson, Marjorie B.	Medicine	55
Patterson, Robert L.	Surgery (Orthopedics)	76
Patterson, Russel H.	Surgery	76
Payne, Mary Ann	Medicine	54
Peabody, George E.	Medicine	55
Pearce, Charles	Surgery	77
Pearce, John M.	Pathology; Surgery	63, 75
Pearson, Olof H.	Medicine	53
Pearson, T. Arthur	Radiology	74
Peck, Fremont C.	Surgery	77
Peck, Robert E.	Psychiatry	69

Pennington, Thomas G.	Medicine	55
Peretz, Walter L.	Surgery	77
Perrone, Francis S.	Medicine	55
Pert, James H.	Medicine	55
Petermann, Mary L.	Sloan-Kettering (Biochemistry)	88
Peterson, Ann S.	Medicine	55
Philips, Frederick S.	Sloan-Kettering (Pharmacology)	88
Phillips, Ralph F.	Radiology	75
Pierce, Virginia K.	Obstetrics & Gynecology	61
Pike, Eric	Pathology	63
Pitts, Robert F.	Physiology	68
Plummer, Norman	Medicine	54
Poker, Nathan	Radiology	74
Pool, J. Lawrence	Surgery	76
Poppell, James W.	Medicine	55
Potor, Aurelia	Medicine	55
Poulos, Peter	Physiology	68
Pritchett, R. A. Rees	Medicine	55
Prout, Curtis T.	Psychiatry	69
Prout, George R.	Surgery	77
Quan, Stuart H. Q.	Surgery	77
Rachele, Julian R.	Biochemistry	51
Rackow, Leon L.	Psychiatry	69
Randall, Henry T.	Surgery	75
Rapport, Maurice M.	Sloan-Kettering (Biochemistry)	88
Rawson, Rulon W.	Medicine	53
Ray, Bronson S.	Surgery	75
Reader, George G.	Medicine; Pharmacology	53, 67
Redo, S. Frank	Surgery	77
Reese, Martha K.	Psychiatry	69
Regan, Peter F.	Psychiatry	69
Reilly, H. Christine	Sloan-Kettering (Microbiology)	88
Reilly, Joseph F.	Pharmacology; Psychiatry	67, 69
Reiss, Sanford M.	Medicine	55
Rennie, Thomas A. C.	Psychiatry	69
Ressler, Charles H.	Medicine	55
Ressler, Charlotte	Biochemistry	51
Reznikoff, Paul	Medicine	53
Rhoads, Cornelius P.	Sloan-Kettering (Pathology)	88
Richards, Nelson G.	Medicine	55
Richardson, Eric C.	Surgery	76
Richardson, Henry B.	Medicine	53
Richter, Goetz W.	Pathology	63
Rigney, Thomas G.	Pub. Health & Prev. Med.	71
Riker, Walter F., Jr.	Pharmacology	67
Riley, Edgar A.	Medicine	54
Rincom, Ruben G.	Medicine	55
Rinzler, Seymour H.	Pharmacology	67
Rizzo, Peter C.	Surgery (Orthopedics)	76
Robbins, Guy F.	Surgery	77

Roberts, Jay.....	Pharmacology.....	67
Roberts, Kathleen E.....	Medicine.....	55
Roberts, Thomas N.....	Medicine.....	55
Robertson, Theodore.....	Pathology.....	63
Robinson, Alan S.....	Medicine.....	55
Rockwell, Fred V.....	Psychiatry.....	69
Rogers, David E.....	Medicine.....	54
Rogoff, Bernard.....	Medicine.....	55
Rogoff, Julius L.....	Medicine.....	55
Roland, Samuel I.....	Surgery.....	77
Roseman, David M.....	Medicine.....	55
Rosenfeld, Robert S.....	Sloan-Kettering.....	88
Ross, Wayne D.....	Radiology.....	74
Rothbard, Sidney.....	Medicine.....	53
Rubin, Albert L.....	Medicine.....	54
Rudd, Emmanuel.....	Medicine.....	55
Ruskin, Richard A.....	Biochemistry; Obstetrics & Gynecology.....	51, 61
Ryan, Edward P.....	Surgery.....	77
Sackett, Nelson B.....	Obstetrics & Gynecology.....	60
Salamon, Ivan I.....	Sloan-Kettering.....	88
Samuels, Bernard R.....	Surgery (Ophthalmology) (Emeritus) ..	8
Scanlan, Theresa.....	Medicine.....	55
Schaefer, George.....	Obstetrics & Gynecology.....	61
Schaffer, Shirley.....	Psychiatry.....	69
Schildhaus, Andrew.....	Surgery.....	77
Schmidt, John G.....	Surgery (Orthopedics).....	76
Schnittman, Morris.....	Surgery.....	77
Schoelly, Marie-Louise.....	Psychiatry.....	69
Scholler, Jean.....	Sloan-Kettering.....	88
Schulman, Irving.....	Pediatrics.....	65
Schwartz, Hans J.....	Medicine (Dermatology) (Emeritus) ..	8
Schwartz, Irving.....	Radiology.....	74
Schwartz, Morton K.....	Sloan-Kettering.....	88
Schweizer, Olga.....	Surgery.....	76
Seal, Sam H.....	Radiology.....	74
Sedar, Jean.....	Surgery.....	77
Selby, Henry M.....	Radiology.....	74
Seligmann, Arthur W.....	Medicine.....	55
Seybolt, John F.....	Pathology.....	63
Shafer, William H.....	Medicine.....	55
Shapiro, Gerald.....	Sloan-Kettering.....	89
Sheard, Charles.....	Medicine.....	55
Shepard, Edward M.....	Medicine.....	55
Sheppard, Erwin.....	Medicine.....	55
Sherman, Robert S.....	Radiology.....	74
Sherwin, Albert C.....	Psychiatry.....	69
Shorr, Ephraim.....	Medicine (Endocrinology).....	53
Shultis, Lester.....	Surgery.....	77
Shultz, Selma M.....	Pub. Health & Prev. Med.....	71

Siegel, Malcolm	Sloan-Kettering	88
Sierp, Mieczyslaw	Surgery	77
Simon, Eric J.	Psychiatry	69
Simon, Eugene P.	Medicine	55
Simon, Harold J.	Medicine	55
Simon, Thomas	Sloan-Kettering	89
Simons, Donald J.	Medicine	53
Sinclair, Harry A.	Medicine	55
Skelton, Jay B.	Obstetrics & Gynecology	61
Skudder, Paul	Surgery	77
Slater, Beatrice S.	Pediatrics	65
Slautterback, D. B.	Anatomy	50
Sleisenger, Marvin H.	Medicine	54
Smillie, Wilson G.	Pub. Health & Prev. Med. (Emeritus)	8
Smith, Carl H.	Pediatrics	65
Smith, Erwin F.	Obstetrics & Gynecology	61
Smith, Frank R.	Obstetrics & Gynecology	60
Smith, J. James	Medicine	53
Smith, John R.	Medicine	55
Smith, Martha L.	Pediatrics	65
Smith, William L.	Surgery	77
Snyder, Charles T.	Obstetrics & Gynecology	61
Snyder, Ruth E.	Radiology	74
Snyder, Stuart S.	Surgery (Ophthalmology)	76
Snyderman, Reuven K.	Surgery	77
Sokhos, Demetre	Medicine	55
Sonenberg, Martin	Medicine	54
Sonkin, Lawrence S.	Medicine	55
Southam, Chester M.	Medicine	54
Speer, David S.	Surgery	77
Spencer, Thomas B.	Medicine	55
Spielman, Aaron D.	Medicine	55
Spier, I. Robert	Surgery	77
Srole, Leo	Psychiatry	69
Stanton, Edward F.	Obstetrics & Gynecology	61
Stapleford, Edmund	Obstetrics & Gynecology	61
Steadman, Jean F.	Medicine	55
Stearns, Maus W., Jr.	Surgery	76
Steinberg, Herman	Medicine	55
Steinberg, Israel	Medicine; Radiology	54, 74
Stephens, Richmond	Surgery (Orthopedics)	76
Stern, Gertrude S.	Pediatrics	65
Sternberg, Stephen S.	Sloan-Kettering (Pathology)	89
Stevens, Alexander R.	Surgery (Urology) (Emeritus)	8
Stevenson, Carl R.	Medicine	55
Stevenson, Lewis D.	Pathology; Medicine (Neurology)	53, 63
Steward, Fred W.	Sloan-Kettering (Pathology)	89
Stewart, Harold J.	Medicine	53
Stillerman, Maxwell	Pediatrics	65
Stimson, Philip M.	Pediatrics	65

Stock, C. Chester	Sloan-Kettering (Biochemistry)	88
Stokes, Peter E.	Medicine	55
Straub, Lee R.	Surgery (Orthopedics)	76
Straub, Leonard R.	Psychiatry	69
Street, Charlotte M.	Pathology	63
Streitfeld, Franklin H.	Pediatrics	66
Struve, John F.	Surgery	77
Studenbord, William D.	Medicine	54
Stunkard, Albert J.	Medicine; Psychiatry	55, 69
Sugg, John Y.	Microbiology & Immunology	59
Sullivan, Joseph D.	Psychiatry	69
Sutherland, Arthur M.	Medicine	54
Sutton, John E.	Surgery	77
Sved, Dorothy W.	Medicine	55
Swan, Roy C.	Physiology	68
Sweeney, William J.	Obstetrics & Gynecology	61
Sweet, Joshua E.	Experimental Surgery (Emeritus)	8
Swift, Katharine W.	Medicine	55
Sykes, Marguerite	Medicine	55
Syz, Hans	Psychiatry	69
Tan, Charlotte T. C.	Medicine	55
Taussky, Hertha H.	Medicine	55
Taylor, John J.	Anatomy	50
Teller, Morris	Sloan-Kettering	88
Temple, Harold L.	Radiology	74
Templeton, Gordon	Psychiatry	69
Thompson, David D.	Physiology	68
Thompson, T. Campbell	Surgery (Orthopedics)	75
Thomson, Archibald W., Jr.	Obstetrics; Gynecology	61
Thorbjarnarson, Bjorn	Surgery	77
Timpanelli, Alphonse E.	Medicine	53
Timrud, David	Psychiatry	69
Tollefsen, H. Randall	Surgery	77
Tolstoi, Edward	Medicine	53
Tompsett, Ralph	Medicine	53
Toolan, Helene W.	Sloan-Kettering (Pathology)	88
Topkins, Marjorie J.	Surgery	77
Torbert, John V.	Medicine	55
Torre, Douglas P.	Medicine	55
Toscani, Vincent A.	Medicine	55
Traeger, Cornelius H.	Medicine	54
Travell, Janet	Pharmacology	67
Travis, John H.	Psychiatry	69
Treves, Norman	Surgery	76
Tritsch, George L.	Biochemistry	51
Troutman, Richard C.	Surgery	77
Tsuboi, Kenneth K.	Pediatrics	65
Tweddel, George K., Jr.	Surgery	77
Twinem, Francis P.	Surgery (Urology)	77
Tyndall, Marian	Medicine	55

Udin, S. Bernard	Medicine	55
Urban, Jerome A.	Surgery	77
Urdaneta, Enrique	Medicine	55
Valergakis, Frederick E. G.	Medicine	55
Van Der Meulen, Joseph P.	Medicine	55
Van Mater, John S.	Obstetrics & Gynecology	61
Venet, Louis	Sloan-Kettering (Prev. Med.)	89
Verstraete, Marc	Medicine	55
Visser, Donald W.	Sloan-Kettering (Biochemistry)	88
Vogel, F. Stephen	Pathology	63
Vorhaus, Louis J. II	Medicine	55
Wade, Preston A.	Surgery	75
Wadsworth, Morton	Psychiatry	69
Wagner, Lewis C.	Surgery (Orthopedics)	76
Wagner, Robert M.	Obstetrics & Gynecology	61
Wainerdi, Harold R.	Medicine	55
Wainwright, William H.	Psychiatry	69
Wald, Milton A.	Medicine	55
Walker, John M.	Surgery	77
Wall, James H.	Psychiatry	69
Wallis, Lila A.	Medicine	55
Wantz, George E.	Surgery	77
Warner, Nathaniel	Psychiatry	69
Warren, J. William	Medicine	55
Wasz-Höckert, Ole	Medicine	55
Watson, Robert F.	Medicine	53
Watson, William L.	Surgery	77
Webster, Bruce P.	Medicine	53
Weeden, Willis M.	Surgery; Pub. Health & Prev. Med.	71, 77
Weeks, Donald L.	Surgery	77
Weeks, Virginia D.	Pediatrics; Pharmacology	66
Weinstock, Irwin M.	Psychiatry	69
Weintraub, Sydney	Radiology	74
Weiss, Alvah M.	Pediatrics	65
Welch, Livingston	Psychiatry	69
Wells, Aaron O.	Medicine	55
Wells, Marilyn S.	Medicine	55
Welsch, Exie Elizabeth	Psychiatry	69
Werden, Virginia	Obstetrics & Gynecology	61
Werner, Charles A.	Medicine	55
Werner, Edwin A.	Medicine	55
Wertz, Frederick J.	Psychiatry	69
West, Charles D.	Medicine	54
West, John P.	Surgery	76
Weymuller, Louis E.	Pediatrics	65
Wheatley, Marjorie A.	Pediatrics	65
Wheeler, Charles H.	Medicine	53
White, Alan M.	Biochemistry	57
White, Stephen	Radiology	74
Whitmore, Willet F., Jr.	Surgery (Urology)	76

Whitney, Doris S.	Pediatrics	65
Whitsell, John C.	Surgery	77
Wielawski, Joseph L.	Psychiatry	69
Wiggans, Roy G.	Surgery	77
Willard, Harold N.	Medicine; Pub. Health & Prev. Med.	55, 71
Williams, Byard	Medicine	53
Williams, John R.	Surgery	77
Wilmer, Edward P.	Pediatrics	66
Wilson, May G.	Pediatrics	65
Wilson, Philip D.	Surgery (Orthopedics) (Emeritus)	8
Wilson, Philip D., Jr.	Surgery (Orthopedics)	77
Wingebach, Wilfred D.	Surgery	77
Wolff, Harold G.	Medicine (Neurology); Psychiatry	53, 69
Wolff, William I.	Surgery	77
Wolfson, Edward A.	Medicine	55
Wong, Stanley K.	Pathology	63
Woodard, Helen Q.	Sloan-Kettering (Biochemistry)	88
Woodward, Walter D.	Psychiatry	69
Woolley, George W.	Sloan-Kettering (Biology)	88
Worthington, Edward L.	Medicine	55
Wright, Harold S.	Psychiatry	69
Wright, Irving S.	Medicine	53
Wright, Mary Elizabeth	Biochemistry	51
Wroblewski, Felix	Medicine	55
Wyker, Arthur W., Jr.	Surgery	77
Wynder, Ernest L.	Sloan-Kettering (Prev. Med.)	89
Yarrow, Natalie	Pediatrics	65
Yeager, Robert L.	Medicine (Tuberculosis)	55
Ying, Sai-Hou	Sloan-Kettering (Prev. Med.)	89
Yuceoglu, Munire	Medicine	55
Zaccheo, Herbert A.	Obstetrics & Gynecology	61
Zimmer, Thomas	Sloan-Kettering	89
Zipser, Stanley S.	Pediatrics	65
Zucker, Seymour	Medicine	55
Zufall, Robert B.	Surgery	77

SUMMARY OF MEDICAL COLLEGE STAFF

Full Professors	45
Associate Professors	100
Assistant Professors	189
Instructors, Assistants, etc.	523
Total	857

SUMMARY OF SLOAN-KETTERING DIVISION STAFF

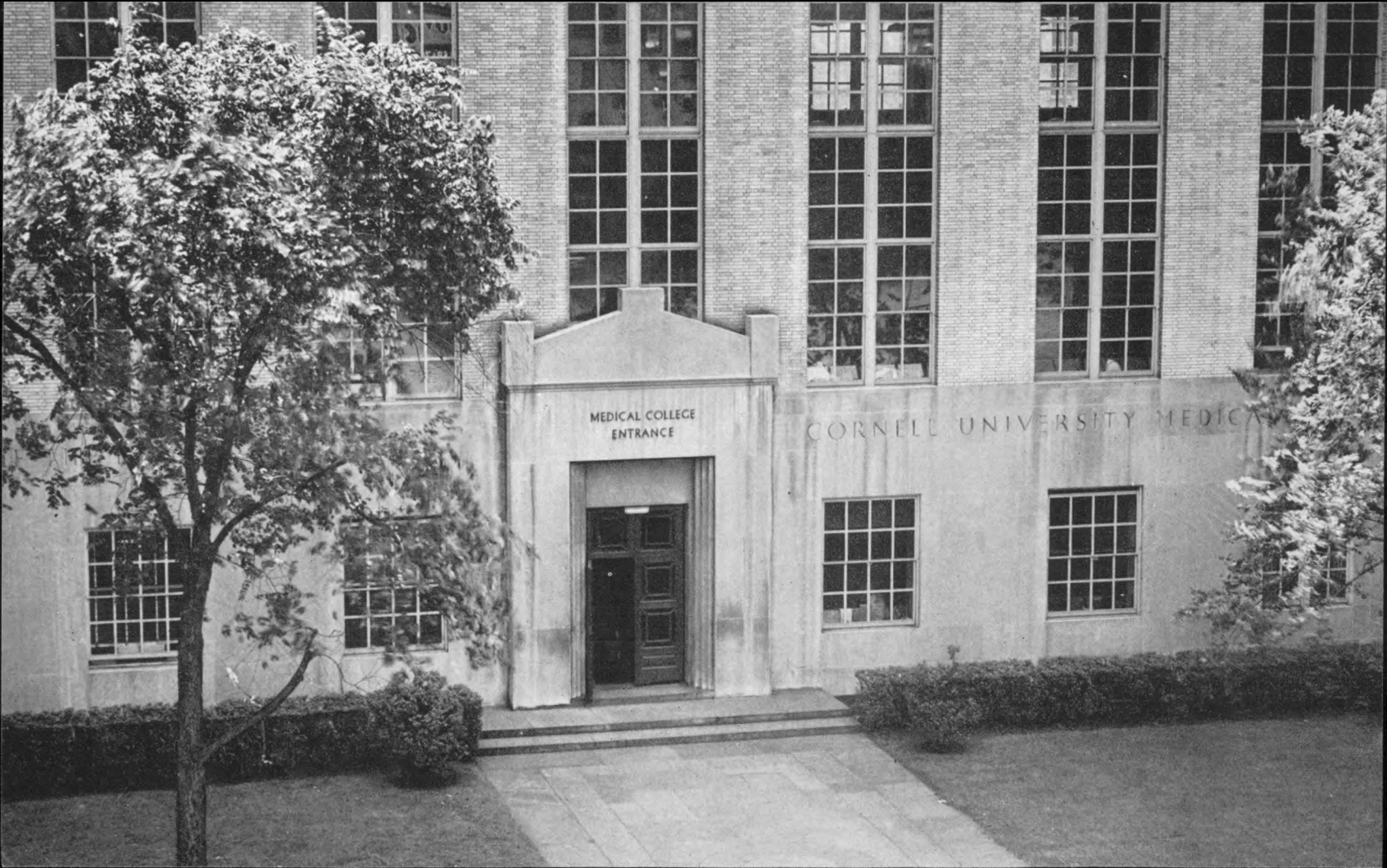
Full Professors	9
Associate Professors	10
Assistant Professors	18
Instructors, Assistants, etc.	18
Total	55

INDEX

Administration, Officers of.....	6	Obstetrics	60
Admission to Advanced Standing....	35	Olin Hall	39
Admission Requirements	32	Pathology	63
Admission, Applications for.....	34	Pediatrics	65
Alpha Omega Alpha	46	Pharmacology	67
Alumni Association	47	Physiology	68
Anatomy	50	Preventive Medicine	71
Bellevue Hospital	28	Prizes	40
Bequests, Form for	4	Promotion (Advancement)	35
Biochemistry	51	Psychiatry	69
Biophysics	68	Public Health	71
Bursary for Woman Students	45	Radiology	74
Calendar	3	Register of Staffs	99
College Advisory Committee	5	Register of Students	92
College Council	5	Required Hours, Table of	80
Committees	7	Residence	39
Comprehensive Care & Training Program	58	Russell Sage Institute of Pathology..	30
Educational Policies	48	Forensic Medicine	58
Electives (<i>see</i> Lists in Each Department)		Graduation Requirements	37
Emeritus Professors	8	Gynecology	60
Examinations	35	Health Service	39
Executive Faculty	6	History of Medical College	26
Expenses	38	Hospitals Associated with Medical College	28
Facilities for Instruction	27	Hospital for Special Surgery	29
Faculty (<i>see also</i> Register of Staffs and Lists for Departments)	8	Immunology	59
Fees	38	Instruction, Facilities for	27
Instruction, Plan of	48	Internship Appointments	90
Instruction, Schedule of	81	Schedule of Instruction	81
Library	30	Scholarships	42
Loan Funds	45	Sigma Xi	47
Loomis Laboratory	30	Sloan-Kettering Division	85
Medicine	53	Special Students	79
Memorial Hospital	29, 85	Staffs, Register of (<i>see also</i> Faculty and Lists for Departments).....	99
Microbiology	59	Staff, Summary of	117
New York Hospital-Cornell Medical Center	4	Students, Register of	92
		Surgery	75



F. W. Olin Hall, Student Residence.



MEDICAL COLLEGE
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